

# Monthly Executive Report

## Financial & Capital Program Updates

As of October 31, 2021



## MONTHLY EXECUTIVE REPORT

### October 31, 2021

#### DISCLAIMER

*This monthly report was prepared by Louisville MSD staff using the best available information. Contributions were made from Finance, Engineering, Regulatory Compliance, Procurement, and Project Controls. Additional information will be incorporated into this report as deemed appropriate.*

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## Acronyms & Abbreviations

B	Billions
BCE	Business Case Evaluation
BOD	Biochemical Oxygen Demand
BMP	Best Management Practice
BRIC	Building Resilient Infrastructure & Communities Grant Program
CCWQTC	Cedar Creek Water Quality Treatment Center
CD	Consent Decree
CIP	Capital Improvement Program
CMF	Centralized Maintenance Facility
CMOM	Capacity, Management, Operations, and Maintenance Program
CP	Commercial Paper
CRRP	Critical Repair and Replacement Plan
CSF	Critical Success Factor
CSO	Combined Sewer Overflow
CSS	Combined Sewer System
DOW	Kentucky Department of Water
DRGWQTC	Derek Guthrie Water Quality Treatment Center
DRI	Drainage Response Initiative
EAC	Estimate-at-Completion
ENV	Environmental
EPA	Environmental Protection Agency
EPM	Enterprise Program Manager
FEMA	Federal Emergency Management Agency
FEPS	Final Effluent Pump Station
FFWQTC	Floyds Fork Water Quality Treatment Center
FM	Force Main
FPS	Flood Pump Station
FY	Fiscal Year
GASB	General Accounting Standards Board
GIS	Geographical Information System
HCWQTC	Hite Creek Water Quality Treatment Center
HSE	Health and Safety Evaluation
HVAC	Heating, Ventilation, and Air Conditioning
ID	Project Budget Identification Number
IOAP	Integrated Overflow Abatement Plan
IT	Information Technology
KPDES	Kentucky Pollutant Discharge Elimination System
LG	Louisville Green Biosolids Processing System
LOJIC	Louisville Jefferson County Information Center
LTCP	Long Term Control Plan
LWC	Louisville Water Company
M	Millions
MBE/WBE	Minority Owned Business Enterprise/Women Owned Business Enterprise
MCC	Motor Control Center
MEB	Morris Forman WQTC Maintenance Equipment Building
MHI	Median Household Income
MFWQTC	Morris Forman Water Quality Treatment Center
MS4	Municipal Separate Storm Sewer System Program
MSD	Metropolitan Sewer District
NMC	Nine Minimum Controls

## Acronyms & Abbreviations - Continued

NOA	Notice of Advisement
NOI	Net Operating Income
NTP	Notice to Proceed
OC	Oldham County
OCEA	Oldham County Environmental Agency
PM	Project Manager
PMIS	Project Information Management System
PSC	Property Service Connection
PS	Pump Station
Q	Quarter of Year
RAS	Return Activated Sludge
RFP	Request for Proposals
RR	Repair and Replacement
RTC	Real Time Control
SCADA	Supervisory Control and Data Acquisition
SIFMA	Securities Industry and Financial Markets Association
SRF	State Revolving Loan Fund Program
SSDP	Sanitary Sewer DP
SWPS	Southwestern Pump Station
TBD	To Be Determined
TSS	Total Suspended Solids
USACE	United States Army Corps of Engineers
USEPA	United States Environmental Protection Agency
VFD	Variable Frequency Drive
WIFIA	Water Infrastructure Finance and Innovation Act
WQTC	Water Quality Treatment Center
WWTF	Wet Weather Treatment Facility
WWPS	Wastewater Pump Station
YTD	Year-to-Date

## SECTION 1: EXECUTIVE SUMMARY

The Louisville and Jefferson County Metropolitan Sewer District (MSD) provides wastewater, stormwater and flood protection services to a population of nearly 800,000 throughout the service area. The MSD operating budget supports the day-to-day operation and maintenance of all infrastructure, while the capital budget supports the infrastructure investments through its Capital Improvement Program (CIP). The organization continues to complete important projects; comply with Consent Decree and regulatory requirements; and repair/replace critical assets. This report provides a summary of the financial position and the progress made through October 31, 2021 with respect to Fiscal Year 2022 (FY22) program health and regulatory compliance.

### CAPITAL PROGRAM HEALTH

A high-level summary of the status of key programs and initiatives is presented in Table 1. More detailed information is presented throughout this report.

*Table 1 – Summary of FY22 Capital Program Performance To-date*

Key Programs and Initiatives	Status as of Octobr 31, 2021
Consent Decree Compliance	All Consent Decree deadlines have been satisfied through the reporting period.
Emergency Repairs & Reactive Equipment Replacements	Three (3) emergency projects were added in October 2021. Projects include exploratory excavation/restorative services on S. Shelby St., 12" FM repair and hauling services at the Mt. Washington Road PS, and installing a property service connection on Lippincott Road. Estimated cost is \$105k.
Cashflow Performance*	Forecasted to spend 95.1% of the performance target and 89.1% of the budget ceiling.
Change Management Notice of Advisements (NOAs)	Thirty (30) NOAs were processed including: creating twelve new projects from the appropriation budgets; approving eight schedule modifications and ten EAC adjustments.

*\*Discussion on Performance Target and Budget Ceiling is found on page 33.*

October 31, 2021

## SECTION 2: FINANCIAL REPORT

The Financial Report is prepared monthly to provide MSD's Executive Director and the MSD Board with a high-level understanding of MSD's financial position. This report contains information on the following:

- Year-to-date financial results as of October 2021
- Customer statistics
- Employee headcount
- Cash
- Investments
- Commercial paper program

## OCTOBER FINANCIAL SUMMARY

### Financial Highlights for the month of October 2021

- Wastewater and Drainage service charges were \$988 thousand favorable to budget.
- Operations and Maintenance expenses were \$329 thousand favorable to budget.

### Results of Operations for the month of October 2021

Total operating revenues were \$984 thousand favorable to budget and \$4.1 million more than October 2020. Wastewater service charges were \$803 thousand favorable to budget and \$3.2 million more than October 2020. The favorability to budget continues to be driven by residential and commercial service charges. Drainage service charges were \$185 thousand favorable to budget and \$973 thousand more than October 2020. Other operating revenues were \$4 thousand unfavorable to budget and \$23 thousand less than October 2020.

Service & Administrative costs were \$329 thousand favorable to budget and \$1.6 million more than October 2020. The favorability to budget was driven by lower than budgeted utilities.

Depreciation and Amortization expenses were \$206 thousand unfavorable to budget and \$305 thousand more than October 2020.

Investment Income was \$364 thousand unfavorable to budget and \$434 thousand less than October 2020.

Interest expense was \$957 thousand favorable to budget and \$2.2 million more than October 2020.

### Cash Flows

Cash and cash equivalents decreased \$868 thousand in October. Net cash provided by operations in October was \$22.4 million. \$21.7 million in cash was used in financing activities. \$1.5 million in cash was used in investment activities in October as excess cash was reinvested.

# MONTHLY EXECUTIVE REPORT

## October 31, 2021

### FINANCIAL STATEMENTS – FY22

Table 2 – Comparative Statement of Net Position

Louisville & Jefferson County Metropolitan Sewer District Monthly Comparative Statement of Net Position				
	YTD Oct-2021	YTD Oct-2020	Variance	Percent
<b>Current Assets</b>				
Unrestricted Cash & Cash Equivalents	\$106,912,184	\$102,621,840	\$4,290,344	4.18%
Sewer & Drainage Receivable	28,437,687	24,705,989	3,731,698	15.10%
Assessment Warrants Receivable	138,586	180,992	(42,406)	-23.43%
Miscellaneous Receivables	(2,561,030)	5,996,074	(8,557,104)	-142.71%
Inventories	5,255,003	5,092,761	162,242	3.19%
Prepaid Expenses	7,142,144	3,673,425	3,468,719	94.43%
Restricted Funds	140,407,309	150,556,021	(10,148,712)	-6.74%
Accrued Interest Receivable	231,208	186,454	44,754	24.00%
<b>Total Current Assets</b>	<b>285,963,091</b>	<b>293,013,557</b>	<b>(7,050,466)</b>	<b>-2.41%</b>
<b>Non-Current Assets</b>				
Utility Plant in Service	4,303,698,348	4,141,013,936	162,684,413	3.93%
Accumulated Depreciation	(1,498,400,152)	(1,403,614,106)	(94,786,046)	6.75%
Construction in Progress	659,442,341	590,694,797	68,747,544	11.64%
<b>Net Fixed Assets</b>	<b>3,464,740,538</b>	<b>3,328,094,627</b>	<b>136,645,911</b>	<b>4.11%</b>
<b>Non-Current Receivables</b>	<b>25,707,087</b>	<b>28,020,302</b>	<b>(2,313,215)</b>	<b>-8.26%</b>
<b>Total Assets</b>	<b>3,776,410,716</b>	<b>3,649,128,486</b>	<b>127,282,231</b>	<b>3.49%</b>
<b>Total Deferred Outflow of Resources</b>	<b>83,310,517</b>	<b>89,345,320</b>	<b>(6,034,803)</b>	<b>-6.75%</b>
<b>Total Assets &amp; Deferred Outflow of Resources</b>	<b>3,859,721,234</b>	<b>3,738,473,806</b>	<b>121,247,428</b>	<b>3.24%</b>
<b>Current Liabilities</b>				
Miscellaneous Accounts Payable	8,207,510	12,134,647	(3,927,137)	-32.36%
Accounts Payable - Construction	3,129,743	3,380,569	(250,826)	-7.42%
Contract Retainage	12,183,326	13,651,968	(1,468,643)	-10.76%
Accrued Interest Payable	41,881,495	41,911,973	(30,478)	-0.07%
Current Maturities of Bonds Payable	51,230,000	44,985,000	6,245,000	13.88%
Current Maturities of Subordinate Debt	1,867,099	1,862,350	4,749	0.25%
Deposits Payable	3,709,975	2,629,522	1,080,453	41.09%
Accrued Salaries & Wages	1,486,038	1,378,706	107,332	7.78%
Accrued Workers' Comp Insurance	2,652,990	2,536,310	116,680	4.60%
Employee Comp Absences Payable	4,094,670	4,014,853	79,817	1.99%
<b>Total Current Liabilities</b>	<b>130,442,844</b>	<b>128,485,898</b>	<b>1,956,947</b>	<b>1.52%</b>
<b>Non-Current Liabilities</b>				
Long-Term Senior Debt Payable	2,056,535,000	2,105,120,000	(48,585,000)	-2.31%
Long-Term Subordinate Debt Payable	465,208,663	339,276,002	125,932,661	37.12%
Other Long-Term Liability	324,698,724	242,976,907	81,721,817	33.63%
<b>Total Non-Current Liabilities</b>	<b>2,846,442,387</b>	<b>2,687,372,910</b>	<b>159,069,477</b>	<b>5.92%</b>
<b>Total Liabilities</b>	<b>2,976,885,231</b>	<b>2,815,858,807</b>	<b>161,026,424</b>	<b>5.72%</b>
<b>Total Deferred Inflow of Resources</b>	<b>10,119,835</b>	<b>16,362,227</b>	<b>(6,242,392)</b>	<b>-38.15%</b>
<b>Total Liabilities &amp; Deferred Inflow of Resources</b>	<b>2,987,005,066</b>	<b>2,832,221,034</b>	<b>154,784,032</b>	<b>5.47%</b>
<b>Net Position</b>	<b>872,716,167</b>	<b>818,799,923</b>	<b>53,916,244</b>	<b>6.58%</b>
<b>Total Liabilities, Deferred Inflow of Resources and Net Position</b>	<b>3,859,721,233</b>	<b>3,651,020,957</b>	<b>208,700,276</b>	<b>5.72%</b>

# MONTHLY EXECUTIVE REPORT

## October 31, 2021

Table 3 – Statement of Revenues, Expenses and Changes in Net Position

Louisville & Jefferson County Metropolitan Sewer District Monthly Statement of Revenues, Expenses, and Changes in Net Position							
	YTD Actual	YTD Budget	YTD Variance	% YTD Variance	YTD Prior Year	YTD Variance	% YTD Variance
<b>Wastewater Charges</b>							
Residential	\$ 53,059,065	\$ 50,831,573	\$ 2,227,491	4.4%	\$ 50,333,925	\$ 2,725,140	5.4%
Commercial	29,438,613	28,182,896	1,255,717	4.5%	25,853,069	3,585,544	13.9%
Industrial	7,837,661	8,420,687	(583,025)	-6.9%	7,553,866	283,795	3.8%
Other Wastewater	3,394,029	2,738,535	655,494	23.9%	1,073,399	2,320,631	216.2%
Free Wastewater Charges	(2,339,672)	(2,118,054)	(221,618)	10.5%	(1,075,634)	(1,264,038)	117.5%
<b>Total Wastewater Charges</b>	<b>91,389,696</b>	<b>88,055,637</b>	<b>3,334,059</b>	<b>3.8%</b>	<b>83,738,625</b>	<b>7,651,071</b>	<b>9.1%</b>
<b>Drainage</b>							
Residential	10,357,389	10,364,444	(7,055)	-0.1%	9,741,315	616,075	6.3%
Commercial	15,967,716	15,707,200	260,516	1.7%	14,970,326	997,390	6.7%
Industrial	1,854,976	1,796,036	58,940	3.3%	1,734,737	120,239	6.9%
Other Stormwater	1,206,079	1,108,328	97,750	8.8%	832,231	373,847	44.9%
Free Stormwater Charges	(900,519)	(897,346)	(3,172)	0.4%	(835,773)	(64,745)	7.7%
<b>Total Drainage Charges</b>	<b>28,485,641</b>	<b>28,078,662</b>	<b>406,980</b>	<b>1.4%</b>	<b>26,442,836</b>	<b>2,042,805</b>	<b>7.7%</b>
<b>Total Service Charges</b>	<b>119,875,337</b>	<b>116,134,299</b>	<b>3,741,039</b>	<b>3.2%</b>	<b>110,181,462</b>	<b>9,693,876</b>	<b>8.8%</b>
<b>Other Operating Income</b>	<b>2,528,293</b>	<b>1,826,436</b>	<b>701,857</b>	<b>38.4%</b>	<b>1,843,818</b>	<b>684,475</b>	<b>37.1%</b>
<b>Total Operating Revenue</b>	<b>122,403,630</b>	<b>117,960,735</b>	<b>4,442,895</b>	<b>3.8%</b>	<b>112,025,280</b>	<b>10,378,351</b>	<b>9.3%</b>
<b>Operating Expenses</b>							
Salaries & Wages	17,399,523	18,598,556	(1,199,033)	-6.4%	17,120,994	278,530	1.6%
Labor Related Overhead	8,378,584	8,910,960	(532,376)	-6.0%	8,517,446	(138,862)	-1.6%
Utilities	4,790,445	5,741,154	(950,708)	-16.6%	4,524,057	266,389	5.9%
Materials & Supplies	2,328,155	2,437,623	(109,468)	-4.5%	2,187,585	140,570	6.4%
Contractual Services	12,095,985	13,012,592	(916,607)	-7.0%	11,761,290	334,695	2.8%
Chemicals	1,942,043	2,156,214	(214,171)	-9.9%	1,552,485	389,558	25.1%
Fuel	458,752	467,233	(8,480)	-1.8%	333,739	125,013	37.5%
Insurance Premiums & Claims	1,906,856	1,263,958	642,898	50.9%	898,721	1,008,134	112.2%
Bad Debt	1,542,944	1,166,672	376,272	32.3%	1,257,100	285,844	22.7%
Other Operating Expense	493,105	931,055	(437,949)	-47.0%	249,285	243,820	97.8%
Mapping/Insurance Recovery	-	-	-	0.0%	(334,586)	334,586	0.0%
Capitalized Overhead	(12,576,488)	(13,124,644)	548,156	-4.2%	(11,708,382)	(868,106)	7.4%
Capital Expenses (over)/under applied							
<b>Net Service and Administrative Costs</b>	<b>38,759,905</b>	<b>41,561,373</b>	<b>(2,801,468)</b>	<b>-6.7%</b>	<b>36,359,734</b>	<b>2,400,171</b>	<b>6.6%</b>
Depreciation	32,715,615	32,333	32,683,281	101082.3%	31,685,644	1,029,971	3.3%
Amortization	380,876	0	380,876	0.0%	469,777	(88,901)	-18.9%
<b>Total Depreciation/Amortization</b>	<b>33,096,490</b>	<b>32,333</b>	<b>33,064,157</b>	<b>102260.3%</b>	<b>32,155,421</b>	<b>941,069</b>	<b>2.9%</b>
<b>Total Operating Expenses</b>	<b>71,856,395</b>	<b>41,593,706</b>	<b>30,262,689</b>	<b>72.8%</b>	<b>68,515,155</b>	<b>3,341,241</b>	<b>4.9%</b>
<b>Net Operating Income</b>	<b>50,547,235</b>	<b>76,367,029</b>	<b>(25,819,794)</b>	<b>-33.8%</b>	<b>43,510,125</b>	<b>7,037,110</b>	<b>16.2%</b>
<b>Non-Operating Revenue (Expenses)</b>							
Gain/Loss Disposal of Assets	74,983	400	74,583	18645.8%	11,890	63,093	530.6%
Investment Income	3,388,994	3,841,600	(452,606)	-11.8%	3,783,275	(394,282)	-10.4%
Interest Expense	(32,026,823)	0	(32,026,823)	0.0%	(28,413,479)	(3,613,344)	12.7%
<b>Total Non-Operating Revenue (Expenses)</b>	<b>(28,562,847)</b>	<b>3,842,000</b>	<b>(32,404,847)</b>	<b>-843.4%</b>	<b>(24,618,313)</b>	<b>(3,944,533)</b>	<b>16.0%</b>
Contributions	91,519	-	91,519	0.0%	260,979	169,461	-64.9%
<b>Change in Net Position Before Swaps</b>	<b>22,075,907</b>	<b>80,209,029</b>	<b>(58,133,122)</b>	<b>-72.5%</b>	<b>19,152,791</b>	<b>(2,923,116)</b>	<b>15.3%</b>
Change in Fair Value of Swaps	2,874,642	-	2,874,642	0.0%	2,916,922	42,280	-1.4%
<b>Change in Net Position After Swaps</b>	<b>\$ 24,950,549</b>	<b>\$ 80,209,029</b>	<b>\$ (55,258,480)</b>	<b>-68.9%</b>	<b>\$ 22,069,713</b>	<b>\$ (2,880,836)</b>	<b>13.1%</b>

# MONTHLY EXECUTIVE REPORT

## October 31, 2021

Table 4 – Monthly Statement of Cash Flows

Louisville and Jefferson County Metropolitan Sewer District Monthly Statement of Cash Flows	
	FY 2022
<b>Cash Flows from Operating Activities</b>	
Cash received from customers	\$ 122,005,844
Cash paid to suppliers	(32,626,953)
Cash paid to employees	(19,946,972)
<b>Net Cash Provided by Operating Activities</b>	<u>69,431,919</u>
<b>Cash Flows from Capital and Related Financing Activities</b>	
Proceeds from issuance of revenue bonds	-
Proceeds from issuance of bond anticipation note	232,924,231
Proceeds from issuance of commercial paper	160,000,000
Proceeds from issuance of notes	-
Proceeds from issuance of other subordinated debt	-
Payments for retirement of revenue bonds	(3,577,297)
Payments for retirement of bond anticipation note	(226,340,000)
Payments for retirement of commercial paper	(115,000,000)
Payments for retirement of notes	-
Payments for retirement of other subordinated debt	(385,000)
Payments for interest expense	(12,153,917)
Payments for interest on swaps	(3,469,210)
Build America bond interest subsidy	3,463,802
Proceeds from capital grants	-
Proceeds from sale of capital assets	74,983
Payments for capital assets	(69,382,899)
Proceeds from assessments	478,269
<b>Net Cash Provided (Used) by Capital and Related Financing</b>	<u>(33,367,038)</u>
<b>Cash Flows from Investing Activities</b>	
Purchase of investments	(56,044,153)
Maturity of investments	20,003,794
Investment income	337,547
<b>Net Cash Provided (Used) by Investing Activities</b>	<u>(35,702,812)</u>
Net Increase (Decrease) in Cash and Cash Equivalents	362,069
Cash and Cash Equivalents, Beginning of Year	101,985,796
<b>Cash and Cash Equivalents, End of Year</b>	<u>\$ 102,347,865</u>
<b>Reconciliation of Operating Income to Net Cash provided by Operating Activities</b>	
Income from operations	\$ 50,547,235
Adjustments to reconcile operating income to net cash provided by operating activities	
Depreciation and amortization	33,096,490
Accounts receivable	(1,351,144)
Inventories	(168,916)
Prepaid expense	(986,616)
Accounts payable	(10,137,912)
Customer deposits	953,358
Accrued liabilities	(2,520,576)
Pension liability	0
OPEB liability	0
<b>Net Cash Provided by Operating Activities</b>	<u>\$ 69,431,919</u>
<b>Non-Cash Capital Financing and Investing Activities</b>	
Contribution of plant, lines and other facilities by developers and property owners	\$ -
Construction costs in accounts payable	15,313,069
Change in fair value of investments	451,817
Decrease in interest rate swap deferred revenue	(165,650)
Change in fair value - swap agreements	2,874,642
Bonds issued for refunding of debt	246,555,000

# MONTHLY EXECUTIVE REPORT

## October 31, 2021

Table 5 - Actual vs Budget Operating and Maintenance Expenses

Louisville & Jefferson County Metropolitan Sewer District Operating and Maintenance Expenses October 31, 2021							
	YTD Actual	YTD Budget	YTD Variance	% YTD Variance	Prior Year	YTD Variance	% YTD Variance
<b>Salaries &amp; Wages</b>							
51120 - Regular Salaries & Wages	\$ 14,678,587	\$ 17,655,175	\$ (2,976,588)	-16.9%	\$ 13,703,555	\$ 975,033	7.1%
51130 - Overtime	699,510	815,217	(115,708)	-14.2%	531,290	168,220	31.7%
51135 - Special Event Compensation	45,780	118,641	(72,861)	-61.4%	43,780	2,000	4.6%
51140 - Wages pd for vacation, holidays & other	1,950,494	0	1,950,494	0.0%	2,164,108	(213,613)	-9.9%
51145 - Incentive Pay - Performance, ERT, Sugg	18,477	0	18,477	0.0%	585,426	(566,949)	-96.8%
51147 - Service & Safety Incentive Awards	6,675	9,523	(2,848)	-29.9%	92,836	(86,161)	-92.8%
<b>Total Salaries &amp; Wages</b>	<b>17,399,523</b>	<b>18,598,556</b>	<b>(1,199,033)</b>	<b>-6.4%</b>	<b>17,120,994</b>	<b>278,530</b>	<b>1.6%</b>
<b>Labor &amp; Related Overhead</b>							
51210 - Short-Term Disability	146,630	0	146,630	0.0%	180,443	(33,813)	-18.7%
51220 - Workers' Compensation Insurance	86,092	87,056	(964)	-1.1%	92,624	(6,531)	-7.1%
51225 - Workers' Compensation Claims	186,614	353,104	(166,490)	-47.2%	448,956	(262,342)	-58.4%
51230 - Long-Term Disability	(18,017)	16,664	(34,681)	-208.1%	(8,779)	(9,238)	105.2%
51240 - Group Life - AD&D Insurance	40,760	33,320	7,440	22.3%	4,862	35,898	738.4%
51250 - Tuition Assistance	20,020	26,664	(6,644)	-24.9%	9,506	10,513	110.6%
51260 - Empl Assistance & Wellness Program	0	4,668	(4,668)	0.0%	4,030	(4,030)	0.0%
51300 - Payroll Taxes	1,084,064	1,325,641	(241,577)	-18.2%	1,240,985	(156,921)	-12.6%
51400 - Unemployment Insurance	(35,776)	11,177	(46,953)	-420.1%	0	(35,776)	0.0%
51500 - Med ins: MSD's port. of prem for grp	2,151,588	2,334,317	(182,729)	-7.8%	1,985,285	166,303	8.4%
51600 - Retirement Contributions	4,716,610	4,718,350	(1,740)	0.0%	4,559,536	157,074	3.4%
<b>Total Labor &amp; Related Overhead</b>	<b>8,378,584</b>	<b>8,910,960</b>	<b>(532,376)</b>	<b>-6.0%</b>	<b>8,517,446</b>	<b>(138,862)</b>	<b>-1.6%</b>
<b>Utilities</b>							
53310 - Electric	3,821,737	4,480,000	(658,263)	-14.7%	3,621,271	200,466	5.5%
53320 - Natural Gas	76,186	324,206	(248,020)	-76.5%	143,575	(67,388)	-46.9%
53330 - Water	458,877	433,564	25,313	5.8%	394,361	64,516	16.4%
53340 - Telephone	82,199	110,067	(27,868)	-25.3%	74,126	8,072	10.9%
53345 - Data Communications	351,445	393,317	(41,871)	-10.6%	290,723	(41,871)	20.9%
<b>Total Utilities</b>	<b>4,790,445</b>	<b>5,741,154</b>	<b>(950,708)</b>	<b>-16.6%</b>	<b>4,524,057</b>	<b>163,795</b>	<b>5.9%</b>
<b>Materials &amp; Supplies</b>							
53140 - Materials & Supplies	2,098,959	2,346,623	(247,664)	-10.6%	2,100,836	(1,877)	-0.1%
53160 - Landfill Cost of fill dirt	229,196	91,000	138,196	151.9%	86,749	142,447	164.2%
<b>Total Materials &amp; Supplies</b>	<b>2,328,155</b>	<b>2,437,623</b>	<b>(109,468)</b>	<b>-4.5%</b>	<b>2,187,585</b>	<b>140,570</b>	<b>6.4%</b>
<b>Contractual Services</b>							
51700 - Uniforms	67,341	79,949	(12,607)	-15.8%	81,666	(14,324)	-17.5%
52110 - Billing & Collection	2,085,093	2,093,632	(8,539)	-0.4%	2,064,889	20,204	1.0%
52130 - Custodial & Watchmen	211,418	350,626	(139,208)	-39.7%	247,647	(36,229)	-14.6%
52140 - Professional Services	713,596	1,521,718	(808,121)	-53.1%	762,091	(48,495)	-6.4%
52145 - Legal	162,211	436,700	(274,489)	-62.9%	401,219	(239,007)	-59.6%
52155 - Banking Services	14,692	25,196	(10,504)	-41.7%	21,698	(7,005)	-32.3%
52160 - Maintenance & Repairs	1,772,644	1,813,555	(40,911)	-2.3%	1,795,446	(22,802)	-1.3%
52170 - Sludge & Grit Disposal	2,079,624	1,052,118	1,027,506	97.7%	1,630,628	448,996	27.5%
52180 - Temporary Services	68,793	105,981	(37,188)	-35.1%	42,216	26,577	63.0%
52195 - Other Contractual Services	4,920,572	5,533,118	(612,547)	-11.1%	4,713,790	206,781	4.4%
<b>Total Contractual Services</b>	<b>12,095,985</b>	<b>13,012,592</b>	<b>(916,607)</b>	<b>-7.0%</b>	<b>11,761,290</b>	<b>334,695</b>	<b>2.8%</b>
<b>Bad Debt</b>							
54200 - Bad Debts	1,342,944	1,166,672	176,272	15.1%	1,257,100	85,844	6.8%
54210 - Bad Debt - Assessments	200,000	0	200,000	0.0%	0	200,000	0.0%
<b>Total Bad Debt</b>	<b>1,542,944</b>	<b>1,166,672</b>	<b>376,272</b>	<b>32.3%</b>	<b>1,257,100</b>	<b>285,844</b>	<b>22.7%</b>
<b>Chemicals</b>							
53210 - Chlorine	0	3,800	(3,800)	0.0%	0	0	0.0%
53215 - Sodium Hypochlorite	267,361	397,533	(130,172)	-32.7%	235,647	31,714	13.5%
53220 - Polymer	924,962	880,000	44,963	5.1%	672,236	252,727	37.6%
53225 - Sodium Aluminate	49,407	96,000	(46,593)	-48.5%	52,874	(3,467)	-6.6%
53230 - Liquid Oxygen	83,980	153,200	(69,220)	-45.2%	30,630	53,350	174.2%
53235 - Liquid Nitrogen	0	8,000	(8,000)	0.0%	0	0	0.0%
53240 - Other Chemicals	29,836	37,336	(7,500)	-20.1%	51,759	(21,922)	-42.4%
53250 - Dechlorination	125,331	151,000	(25,669)	-17.0%	131,538	(6,207)	-4.7%
53275 - Defoamer	0	28,462	(28,462)	0.0%	0	0	0.0%
53280 - Bioxide	461,166	400,133	61,033	15.3%	377,802	83,364	22.1%
53285 - Sodium Hydroxide	0	750	(750)	0.0%	0	0	0.0%
<b>Total Chemicals</b>	<b>1,942,043</b>	<b>2,156,214</b>	<b>(214,171)</b>	<b>-9.9%</b>	<b>1,552,485</b>	<b>389,558</b>	<b>25.1%</b>
<b>Fuel</b>							
53120 - Gasoline	199,825	178,084	21,741	12.2%	152,179	47,646	31.3%
53130 - Diesel Fuel	258,927	289,149	(30,221)	-10.5%	181,560	77,367	42.6%
<b>Total Fuel</b>	<b>458,752</b>	<b>467,233</b>	<b>(8,480)</b>	<b>-1.8%</b>	<b>333,739</b>	<b>125,013</b>	<b>37.5%</b>
<b>Insurance Premiums &amp; Claims</b>							
54110 - General Liability Insurance	1,039,770	367,508	672,262	182.9%	262,453	777,317	296.2%
54130 - Property Insurance	675,977	699,997	(24,020)	-3.4%	563,448	112,530	20.0%
54140 - General Liability Claims	191,109	196,453	(5,344)	-2.7%	72,821	118,288	162.4%
<b>Total Insurance Premiums &amp; Claims</b>	<b>1,906,856</b>	<b>1,263,958</b>	<b>642,898</b>	<b>50.9%</b>	<b>898,721</b>	<b>1,008,134</b>	<b>112.2%</b>
<b>Other Operating Expense</b>							
53410 - Equipment Rental	95,278	52,065	43,213	83.0%	74,343	20,935	28.2%
53420 - Space Rent	10,000	10,000	0	0.0%	8,350	1,650	19.8%
53430 - Leased Parking	1,350	12,332	(10,982)	-89.1%	10,700	(9,350)	-87.4%
54250 - Contributions	151,000	222,667	(71,667)	-32.2%	12,000	139,000	1158.3%
54300 - Fines, Penalties & Damages	4,399	0	4,399	0.0%	4,018	380	9.5%
54400 - Advertising	10,115	62,596	(52,481)	-83.8%	11,863	(1,748)	-14.7%
54500 - Travel & Meetings	15,520	160,994	(145,474)	-90.4%	(797)	16,316	-2047.9%
54550 - Training	40,471	222,234	(181,764)	-81.8%	49,345	(8,875)	-18.0%
54600 - Dues, Fees and Subscriptions	163,053	183,367	(20,314)	-11.1%	75,550	87,503	115.8%
54700 - Board Members	3,200	4,800	(1,600)	-33.3%	3,500	(300)	-8.6%
55555 - Over/under payments	(1,280)	0	(1,280)	0.0%	413	(1,692)	-410.2%
<b>Total Other Operating Expense</b>	<b>493,105</b>	<b>931,055</b>	<b>(437,949)</b>	<b>-47.0%</b>	<b>249,285</b>	<b>243,820</b>	<b>97.8%</b>
<b>Grand Total</b>	<b>51,336,393</b>	<b>54,686,017</b>	<b>(3,349,624)</b>	<b>-6.1%</b>	<b>48,402,702</b>	<b>2,831,098</b>	<b>6.1%</b>

# MONTHLY EXECUTIVE REPORT

## October 31, 2021

Table 6 - Division Actuals vs. Budget – Administration

Louisville & Jefferson County Metropolitan Sewer District Administration October 31, 2021							
	YTD Actual	YTD Budget	YTD Variance	% YTD Variance	YTD Prior Year	YTD Variance	% YTD Variance
<b>Salaries &amp; Wages</b>							
51120 - Regular Salaries & Wages	\$ 1,590,359	\$ 1,908,987	\$ (318,628)	-16.7%	\$ 1,347,806	\$ 242,553	18.0%
51130 - Overtime	16,500	14,075	2,425	17.2%	14,590	1,910	13.1%
51140 - Wages pd for vacation, holidays & other	255,034	0	255,034	0.0%	221,306	33,728	15.2%
51145 - Incentive Pay - Performance, ERT, Sugg	23,660	0	23,660	0.0%	45,135	(21,474)	-47.6%
<b>Total Salaries &amp; Wages</b>	<b>1,885,554</b>	<b>1,923,062</b>	<b>(37,508)</b>	<b>-2.0%</b>	<b>1,628,837</b>	<b>256,716</b>	<b>15.8%</b>
<b>Labor &amp; Related Overhead</b>							
51300 - Payroll Taxes	121,601	139,362	(17,760)	-12.7%	121,938	(337)	-0.3%
51400 - Unemployment Insurance	0	1,016	(1,016)	0.0%	0	0	0.0%
51500 - Med Ins: MSD's port. of prem for grp	176,798	164,732	12,066	7.3%	136,761	40,037	29.3%
51600 - Retirement Contributions	498,765	492,614	6,151	1.2%	458,377	40,389	8.8%
<b>Total Labor &amp; Related Overhead</b>	<b>797,165</b>	<b>797,724</b>	<b>(560)</b>	<b>-0.1%</b>	<b>717,076</b>	<b>80,089</b>	<b>11.2%</b>
<b>Utilities</b>							
53310 - Electric	109,966	100,000	9,966	10.0%	95,774	14,191	14.8%
53320 - Natural Gas	2,488	9,479	(6,991)	-73.8%	1,674	814	48.6%
53330 - Water	5,262	5,000	262	5.2%	2,894	2,368	81.8%
<b>Total Utilities</b>	<b>117,716</b>	<b>114,479</b>	<b>3,237</b>	<b>2.8%</b>	<b>100,342</b>	<b>17,373</b>	<b>17.3%</b>
<b>Materials &amp; Supplies</b>							
53140 - Materials & Supplies	42,390	117,950	(75,560)	-64.1%	4,449	37,941	852.8%
<b>Total Materials &amp; Supplies</b>	<b>42,390</b>	<b>117,950</b>	<b>(75,560)</b>	<b>-64.1%</b>	<b>4,449</b>	<b>37,941</b>	<b>852.8%</b>
<b>Contractual Services</b>							
51700 - Uniforms	42,077	20,850	21,227	101.8%	39,420	2,657	6.7%
52130 - Custodial & Watchmen	161,266	284,759	(123,494)	-43.4%	190,122	(28,857)	-15.2%
52140 - Professional Services	58,663	381,464	(322,801)	-84.6%	87,262	(28,599)	-32.8%
52160 - Maintenance & Repairs	162,559	293,269	(130,710)	-44.6%	247,911	(85,352)	-34.4%
52180 - Temporary Services	28,920	26,667	2,253	8.5%	16,900	12,021	71.1%
52195 - Other Contractual Services	46,114	54,184	(8,070)	-14.9%	29,001	17,113	59.0%
<b>Total Contractual Services</b>	<b>499,599</b>	<b>1,061,193</b>	<b>(561,594)</b>	<b>-52.9%</b>	<b>610,617</b>	<b>(111,018)</b>	<b>-18.2%</b>
<b>Insurance Premiums &amp; Claims</b>							
54140 - General Liability Claims	0	10,786	(10,786)	0.0%	0	0	0.0%
<b>Total Insurance Premiums &amp; Claims</b>	<b>0</b>	<b>10,786</b>	<b>(10,786)</b>	<b>0.0%</b>	<b>0</b>	<b>0</b>	<b>0.0%</b>
<b>Other Operating Expense</b>							
53410 - Equipment Rental	0	3,200	(3,200)	0.0%	0	0	0.0%
53430 - Leased Parking	1,350	11,499	(10,149)	-88.3%	10,700	(9,350)	-87.4%
54250 - Contributions	151,000	212,667	(61,667)	-29.0%	2,000	149,000	7450.0%
54400 - Advertising	8,599	36,524	(27,925)	-76.5%	11,524	(2,925)	-25.4%
54500 - Travel & Meetings	3,399	50,418	(47,019)	-93.3%	607	2,792	460.3%
54550 - Training	14,590	22,250	(7,660)	-34.4%	3,200	11,390	355.9%
54600 - Dues, Fees and Subscriptions	74,694	79,800	(5,106)	-6.4%	35,057	39,637	113.1%
54700 - Board Members	3,200	4,800	(1,600)	-33.3%	3,500	(300)	-8.6%
<b>Total Other Operating Expense</b>	<b>256,831</b>	<b>421,157</b>	<b>(164,326)</b>	<b>-39.0%</b>	<b>66,587</b>	<b>190,244</b>	<b>285.7%</b>
<b>Grand Total</b>	<b>3,599,254</b>	<b>4,446,351</b>	<b>(847,097)</b>	<b>-19.1%</b>	<b>3,127,907</b>	<b>471,346</b>	<b>15.1%</b>

# MONTHLY EXECUTIVE REPORT

## October 31, 2021

Table 7 - Division Actuals vs. Budget – Corporate

Louisville & Jefferson County Metropolitan Sewer District Corporate October 31, 2021								
	YTD Actual	YTD Budget	YTD Variance	% YTD Variance	YTD Prior Year	YTD Variance	% YTD Variance	
<b>Salaries &amp; Wages</b>								
51120 - Regular Salaries & Wages	\$ 51,836	\$ 73,225	\$ (21,389)	-29.2%	\$ 64,426	\$ (12,590)	-19.5%	
51140 - Wages pd for vacation, holidays & other	22,853	0	22,853	0.0%	10,035	12,818	127.7%	
51145 - Incentive Pay - Performance, ERT, Sugg	310	0	310	0.0%	1,200	(890)	-74.2%	
51147 - Service & Safety Incentive Awards	6,675	9,523	(2,848)	-29.9%	92,836	(86,161)	-92.8%	
<b>Total Salaries &amp; Wages</b>	<b>81,675</b>	<b>82,747</b>	<b>(1,073)</b>	<b>-1.3%</b>	<b>168,497</b>	<b>(86,823)</b>	<b>-51.5%</b>	
<b>Labor &amp; Related Overhead</b>								
51210 - Short-Term Disability	146,630	0	146,630	0.0%	180,443	(33,813)	-18.7%	
51220 - Workers' Compensation Insurance	66,020	87,056	(21,036)	-24.2%	71,513	(5,493)	-7.7%	
51225 - Workers' Compensation Claims	261,614	353,104	(91,490)	-25.9%	448,956	(187,342)	-41.7%	
51230 - Long-Term Disability	(18,017)	16,664	(34,681)	-208.1%	(8,779)	(9,238)	105.2%	
51240 - Group Life - AD&D Insurance	40,047	33,320	6,727	20.2%	4,862	35,186	723.8%	
51250 - Tuition Assistance	20,020	26,664	(6,644)	-24.9%	9,506	10,513	110.6%	
51260 - Empl Assistance & Wellness Program	0	4,668	(4,668)	0.0%	1,186	(1,186)	0.0%	
51300 - Payroll Taxes	2,735	3,114	(379)	-12.2%	9,680	(6,945)	-71.7%	
51400 - Unemployment Insurance	(35,776)	298	(36,074)	-12105.2%	0	(35,776)	0.0%	
51500 - Med Ins: MSD's port. of prem for grp	11,191	3,743	7,448	198.9%	3,381	7,810	231.0%	
51600 - Retirement Contributions	20,264	20,723	(459)	-2.2%	37,076	(16,812)	-45.3%	
<b>Total Labor &amp; Related Overhead</b>	<b>514,728</b>	<b>549,354</b>	<b>(34,626)</b>	<b>-6.3%</b>	<b>757,823</b>	<b>(243,095)</b>	<b>-32.1%</b>	
<b>Contractual Services</b>								
52110 - Billing & Collection	2,029,128	2,038,560	(9,432)	-0.5%	2,010,386	18,742	0.9%	
52140 - Professional Services	2,844	91,700	(88,856)	-96.9%	(2,690)	5,534	-205.7%	
52145 - Legal	0	0	0	0.0%	110,736	(110,736)	0.0%	
52155 - Banking Services	1,646	3,336	(1,690)	-50.7%	1,059	587	55.4%	
52195 - Other Contractual Services	6,185	666,876	(660,691)	-99.1%	32,970	(26,785)	-81.2%	
<b>Total Contractual Services</b>	<b>2,039,803</b>	<b>2,800,472</b>	<b>(760,669)</b>	<b>-27.2%</b>	<b>2,152,462</b>	<b>(112,659)</b>	<b>-5.2%</b>	
<b>Bad Debt</b>								
54200 - Bad Debts	1,336,944	1,166,672	170,272	14.6%	1,257,100	79,844	6.4%	
54210 - Bad Debt - Assessments	200,000	0	200,000	0.0%	0	200,000	0.0%	
<b>Total Bad Debt</b>	<b>1,536,944</b>	<b>1,166,672</b>	<b>370,272</b>	<b>31.7%</b>	<b>1,257,100</b>	<b>279,844</b>	<b>22.3%</b>	
<b>Insurance Premiums &amp; Claims</b>								
54110 - General Liability Insurance	1,038,619	366,668	671,951	183.3%	262,453	776,166	295.7%	
54130 - Property Insurance	675,977	676,664	(687)	-0.1%	563,448	112,530	20.0%	
54140 - General Liability Claims	180,391	180,000	391	0.2%	70,642	109,749	155.4%	
<b>Total Insurance Premiums &amp; Claims</b>	<b>1,894,988</b>	<b>1,223,332</b>	<b>671,656</b>	<b>54.9%</b>	<b>896,543</b>	<b>998,445</b>	<b>111.4%</b>	
<b>Other Operating Expense</b>								
54400 - Advertising	900	0	900	0.0%	0	900	0.0%	
54500 - Travel & Meetings	0	3,000	(3,000)	0.0%	0	0	0.0%	
54550 - Training	0	32,800	(32,800)	0.0%	15,000	(15,000)	0.0%	
55555 - Over/under payments	591	0	591	0.0%	413	179	43.3%	
<b>Total Other Operating Expense</b>	<b>1,491</b>	<b>35,800</b>	<b>(34,309)</b>	<b>-95.8%</b>	<b>15,413</b>	<b>(13,921)</b>	<b>-90.3%</b>	
<b>Grand Total</b>	<b>6,069,628</b>	<b>5,858,378</b>	<b>211,251</b>	<b>3.6%</b>	<b>5,247,837</b>	<b>821,791</b>	<b>15.7%</b>	

# MONTHLY EXECUTIVE REPORT

## October 31, 2021

Table 8 - Division Actuals vs. Budget - Engineering

Louisville & Jefferson County Metropolitan Sewer District							
Engineering							
October 31, 2021							
	YTD Actual	YTD Budget	YTD Variance	% YTD Variance	YTD Prior Year	YTD Variance	% YTD Variance
<b>Salaries &amp; Wages</b>							
51120 - Regular Salaries & Wages	\$ 2,384,179	\$ 2,678,849	\$ (294,669)	-11.0%	\$ 2,269,576	\$ 114,603	5.0%
51130 - Overtime	20,823	54,932	(34,109)	-62.1%	16,196	4,627	28.6%
51135 - Special Event Compensation	0	332	(332)	0.0%	0	0	0.0%
51140 - Wages pd for vacation, holidays & other	303,386	0	303,386	0.0%	296,424	6,962	2.3%
51145 - Incentive Pay - Performance, ERT, Sugg	9,482	0	9,482	0.0%	54,858	(45,376)	-82.7%
<b>Total Salaries &amp; Wages</b>	<b>2,717,870</b>	<b>2,734,113</b>	<b>(16,243)</b>	<b>-0.6%</b>	<b>2,637,054</b>	<b>80,816</b>	<b>3.1%</b>
<b>Labor &amp; Related Overhead</b>							
51300 - Payroll Taxes	174,120	199,931	(25,810)	-12.9%	186,746	(12,626)	-6.8%
51400 - Unemployment Insurance	0	1,631	(1,631)	0.0%	0	0	0.0%
51500 - Med Ins: MSD's port. of prem for grp	303,650	324,197	(20,547)	-6.3%	281,908	21,743	7.7%
51600 - Retirement Contributions	738,011	742,703	(4,692)	-0.6%	683,146	54,865	8.0%
<b>Total Labor &amp; Related Overhead</b>	<b>1,215,781</b>	<b>1,268,461</b>	<b>(52,680)</b>	<b>-4.2%</b>	<b>1,151,800</b>	<b>63,982</b>	<b>5.6%</b>
<b>Materials &amp; Supplies</b>							
53140 - Materials & Supplies	30,031	25,402	4,629	18.2%	23,636	6,395	27.1%
<b>Total Materials &amp; Supplies</b>	<b>30,031</b>	<b>25,402</b>	<b>4,629</b>	<b>18.2%</b>	<b>23,636</b>	<b>6,395</b>	<b>27.1%</b>
<b>Contractual Services</b>							
52140 - Professional Services	39,716	75,933	(36,217)	-47.7%	113,638	(73,922)	-65.1%
52160 - Maintenance & Repairs	2,150	2,500	(350)	-14.0%	0	2,150	0.0%
<b>Total Contractual Services</b>	<b>41,866</b>	<b>78,433</b>	<b>(36,567)</b>	<b>-46.6%</b>	<b>113,638</b>	<b>(71,772)</b>	<b>-63.2%</b>
<b>Other Operating Expense</b>							
54500 - Travel & Meetings	3,451	30,475	(27,024)	-88.7%	(3,099)	6,549	-211.3%
54550 - Training	1,400	13,950	(12,550)	-90.0%	9,663	(8,263)	-85.5%
54600 - Dues, Fees and Subscriptions	2,351	5,240	(2,889)	-55.1%	5,245	(2,895)	-55.2%
<b>Total Other Operating Expense</b>	<b>7,201</b>	<b>49,665</b>	<b>(42,464)</b>	<b>-85.5%</b>	<b>11,809</b>	<b>(4,608)</b>	<b>-39.0%</b>
<b>Grand Total</b>	<b>4,012,749</b>	<b>4,156,074</b>	<b>(143,325)</b>	<b>-3.4%</b>	<b>3,937,937</b>	<b>74,812</b>	<b>1.9%</b>

# MONTHLY EXECUTIVE REPORT

## October 31, 2021

Table 9 - Division Actuals vs. Budget – Finance

Louisville & Jefferson County Metropolitan Sewer District							
Finance							
October 31, 2021							
	YTD Actual	YTD Budget	YTD Variance	% YTD Variance	YTD Prior Year	YTD Variance	% YTD Variance
<b>Salaries &amp; Wages</b>							
51120 - Regular Salaries & Wages	\$ 386,114	\$ 468,739	\$ (82,625)	-17.6%	\$ 383,713	\$ 2,402	0.6%
51130 - Overtime	66	500	(434)	-86.8%	0	66	0.0%
51140 - Wages pd for vacation, holidays & other	54,108	0	54,108	0.0%	21,474	32,635	152.0%
51145 - Incentive Pay - Performance, ERT, Sugg	2,835	0	2,835	0.0%	1,589	1,246	78.4%
<b>Total Salaries &amp; Wages</b>	<b>443,124</b>	<b>469,239</b>	<b>(26,115)</b>	<b>-5.6%</b>	<b>406,776</b>	<b>36,348</b>	<b>8.9%</b>
<b>Labor &amp; Related Overhead</b>							
51300 - Payroll Taxes	28,268	34,539	(6,271)	-18.2%	29,706	(1,438)	-4.8%
51400 - Unemployment Insurance	0	292	(292)	0.0%	0	0	0.0%
51500 - Med Ins: MSD's port. of prem for grp	47,757	51,128	(3,371)	-6.6%	43,060	4,697	10.9%
51600 - Retirement Contributions	128,536	129,269	(733)	-0.6%	114,342	14,194	12.4%
<b>Total Labor &amp; Related Overhead</b>	<b>204,561</b>	<b>215,228</b>	<b>(10,667)</b>	<b>-5.0%</b>	<b>187,108</b>	<b>17,453</b>	<b>9.3%</b>
<b>Materials &amp; Supplies</b>							
53140 - Materials & Supplies	741	2,884	(2,143)	-74.3%	915	(174)	-19.0%
<b>Total Materials &amp; Supplies</b>	<b>741</b>	<b>2,884</b>	<b>(2,143)</b>	<b>-74.3%</b>	<b>915</b>	<b>(174)</b>	<b>-19.0%</b>
<b>Contractual Services</b>							
52140 - Professional Services	68,977	97,560	(28,583)	-29.3%	86,175	(17,198)	-20.0%
52155 - Banking Services	12,941	21,860	(8,919)	-40.8%	20,639	(7,697)	-37.3%
52195 - Other Contractual Services	20,000	4,000	16,000	400.0%	46,936	(26,936)	-57.4%
<b>Total Contractual Services</b>	<b>101,918</b>	<b>123,420</b>	<b>(21,502)</b>	<b>-17.4%</b>	<b>153,750</b>	<b>(51,832)</b>	<b>-33.7%</b>
<b>Insurance Premiums &amp; Claims</b>							
54110 - General Liability Insurance	1,151	0	1,151	0.0%	0	1,151	0.0%
<b>Total Insurance Premiums &amp; Claims</b>	<b>1,151</b>	<b>0</b>	<b>1,151</b>	<b>0.0%</b>	<b>0</b>	<b>1,151</b>	<b>0.0%</b>
<b>Other Operating Expense</b>							
54400 - Advertising	337	400	(63)	-15.7%	340	(2)	-0.7%
54500 - Travel & Meetings	0	8,548	(8,548)	0.0%	0	0	0.0%
54550 - Training	1,369	4,880	(3,511)	-71.9%	2,223	(854)	-38.4%
54600 - Dues, Fees and Subscriptions	927	1,190	(264)	-22.1%	1,408	(481)	-34.2%
<b>Total Other Operating Expense</b>	<b>2,633</b>	<b>15,018</b>	<b>(12,385)</b>	<b>-82.5%</b>	<b>3,970</b>	<b>(1,337)</b>	<b>-33.7%</b>
<b>Grand Total</b>	<b>754,129</b>	<b>825,789</b>	<b>(71,661)</b>	<b>-8.7%</b>	<b>752,520</b>	<b>1,609</b>	<b>0.2%</b>

# MONTHLY EXECUTIVE REPORT

## October 31, 2021

Table 10 - Division Actuals vs. Budget – Human Resources

Louisville & Jefferson County Metropolitan Sewer District Human Resources October 31, 2021							
	YTD Actual	YTD Budget	YTD Variance	% YTD Variance	YTD Prior Year	YTD Variance	% YTD Variance
<b>Salaries &amp; Wages</b>							
51120 - Regular Salaries & Wages	\$ 476,887	\$ 567,394	\$ (90,507)	-16.0%	\$ 454,388	\$ 22,499	5.0%
51130 - Overtime	0	550	(550)	0.0%	0	0	0.0%
51140 - Wages pd for vacation, holidays & other	50,794	0	50,794	0.0%	50,875	(81)	-0.2%
51145 - Incentive Pay - Performance, ERT, Sugg	(1,788)	0	(1,788)	0.0%	20,805	(22,593)	-108.6%
<b>Total Salaries &amp; Wages</b>	<b>525,893</b>	<b>567,944</b>	<b>(42,051)</b>	<b>-7.4%</b>	<b>526,068</b>	<b>(175)</b>	<b>0.0%</b>
<b>Labor &amp; Related Overhead</b>							
51220 - Workers' Compensation Insurance	20,072	0	20,072	0.0%	21,110	(1,038)	-4.9%
51240 - Group Life - AD&D Insurance	(36)	0	(36)	0.0%	0	(36)	0.0%
51260 - Empl Assistance & Wellness Program	0	0	0	0.0%	2,844	(2,844)	0.0%
51300 - Payroll Taxes	32,565	41,971	(9,405)	-22.4%	36,874	(4,309)	-11.7%
51400 - Unemployment Insurance	0	340	(340)	0.0%	0	0	0.0%
51500 - Med Ins: MSD's port. of prem for grp	49,652	60,660	(11,008)	-18.1%	48,020	1,631	3.4%
51600 - Retirement Contributions	145,373	153,400	(8,027)	-5.2%	142,326	3,047	2.1%
<b>Total Labor &amp; Related Overhead</b>	<b>247,626</b>	<b>256,371</b>	<b>(8,745)</b>	<b>-3.4%</b>	<b>251,175</b>	<b>(3,549)</b>	<b>-1.4%</b>
<b>Materials &amp; Supplies</b>							
53140 - Materials & Supplies	2,815	6,157	(3,343)	-54.3%	971	1,844	189.9%
<b>Total Materials &amp; Supplies</b>	<b>2,815</b>	<b>6,157</b>	<b>(3,343)</b>	<b>-54.3%</b>	<b>971</b>	<b>1,844</b>	<b>189.9%</b>
<b>Contractual Services</b>							
51700 - Uniforms	0	250	(250)	0.0%	981	(981)	0.0%
52140 - Professional Services	55,156	133,602	(78,446)	-58.7%	64,299	(9,143)	-14.2%
52160 - Maintenance & Repairs	0	64	(64)	0.0%	0	0	0.0%
52195 - Other Contractual Services	0	0	0	0.0%	10	(10)	0.0%
<b>Total Contractual Services</b>	<b>55,156</b>	<b>133,916</b>	<b>(78,760)</b>	<b>-58.8%</b>	<b>65,290</b>	<b>(10,134)</b>	<b>-15.5%</b>
<b>Other Operating Expense</b>							
54300 - Fines, Penalties & Damages	0	0	0	0.0%	18	(18)	0.0%
54400 - Advertising	0	5,272	(5,272)	0.0%	0	0	0.0%
54500 - Travel & Meetings	711	5,936	(5,225)	-88.0%	(2,416)	3,127	-129.4%
54550 - Training	656	8,394	(7,738)	-92.2%	3,065	(2,409)	-78.6%
54600 - Dues, Fees and Subscriptions	5,069	14,915	(9,847)	-66.0%	1,895	3,173	167.5%
<b>Total Other Operating Expense</b>	<b>6,436</b>	<b>34,517</b>	<b>(28,082)</b>	<b>-81.4%</b>	<b>2,562</b>	<b>3,873</b>	<b>151.1%</b>
<b>Grand Total</b>	<b>837,925</b>	<b>998,905</b>	<b>(160,980)</b>	<b>-16.1%</b>	<b>846,066</b>	<b>(8,141)</b>	<b>-1.0%</b>

# MONTHLY EXECUTIVE REPORT

## October 31, 2021

Table 11 - Division Actuals vs. Budget – Information Technology

Louisville & Jefferson County Metropolitan Sewer District Information Technology October 31, 2021							
	YTD Actual	YTD Budget	YTD Variance	% YTD Variance	YTD Prior Year	YTD Variance	% YTD Variance
<b>Salaries &amp; Wages</b>							
51120 - Regular Salaries & Wages	\$ 877,087	\$ 1,035,655	\$ (158,568)	-15.3%	\$ 794,682	\$ 82,405	10.4%
51130 - Overtime	6,341	3,732	2,609	69.9%	3,992	2,350	58.9%
51135 - Special Event Compensation	1,470	250	1,220	488.0%	1,640	(170)	-10.4%
51140 - Wages pd for vacation, holidays & other	100,540	0	100,540	0.0%	123,919	(23,380)	-18.9%
51145 - Incentive Pay - Performance, ERT, Sugg	(3,524)	0	(3,524)	0.0%	20,012	(23,536)	-117.6%
<b>Total Salaries &amp; Wages</b>	<b>981,914</b>	<b>1,039,637</b>	<b>(57,723)</b>	<b>-5.6%</b>	<b>944,245</b>	<b>37,669</b>	<b>4.0%</b>
<b>Labor &amp; Related Overhead</b>							
51300 - Payroll Taxes	63,678	78,259	(14,581)	-18.6%	68,968	(5,290)	-7.7%
51400 - Unemployment Insurance	0	624	(624)	0.0%	0	0	0.0%
51500 - Med Ins: MSD's port. of prem for grp	92,348	106,380	(14,032)	-13.2%	89,274	3,074	3.4%
51600 - Retirement Contributions	264,860	278,616	(13,756)	-4.9%	238,334	26,526	11.1%
<b>Total Labor &amp; Related Overhead</b>	<b>420,887</b>	<b>463,880</b>	<b>(42,993)</b>	<b>-9.3%</b>	<b>396,576</b>	<b>24,310</b>	<b>6.1%</b>
<b>Utilities</b>							
53340 - Telephone	82,198	110,067	(27,869)	-25.3%	74,126	8,071	10.9%
53345 - Data Communications	254,714	309,917	(55,202)	-17.8%	244,492	(55,202)	4.2%
<b>Total Utilities</b>	<b>336,912</b>	<b>419,983</b>	<b>(83,071)</b>	<b>-19.8%</b>	<b>318,618</b>	<b>(47,131)</b>	<b>5.7%</b>
<b>Materials &amp; Supplies</b>							
53140 - Materials & Supplies	68,061	187,918	(119,857)	-63.8%	88,748	(20,687)	-23.3%
<b>Total Materials &amp; Supplies</b>	<b>68,061</b>	<b>187,918</b>	<b>(119,857)</b>	<b>-63.8%</b>	<b>88,748</b>	<b>(20,687)</b>	<b>-23.3%</b>
<b>Contractual Services</b>							
51700 - Uniforms	0	333	(333)	0.0%	0	0	0.0%
52140 - Professional Services	276,559	362,337	(85,777)	-23.7%	255,993	20,566	8.0%
52160 - Maintenance & Repairs	981,629	932,202	49,427	5.3%	979,948	1,681	0.2%
52195 - Other Contractual Services	521,861	1,014,260	(492,399)	-48.5%	538,898	(17,037)	-3.2%
<b>Total Contractual Services</b>	<b>1,780,049</b>	<b>2,309,132</b>	<b>(529,083)</b>	<b>-22.9%</b>	<b>1,774,840</b>	<b>5,210</b>	<b>0.3%</b>
<b>Other Operating Expense</b>							
54500 - Travel & Meetings	0	19,900	(19,900)	0.0%	0	0	0.0%
54550 - Training	6,354	22,167	(15,813)	-71.3%	2,695	3,659	135.8%
54600 - Dues, Fees and Subscriptions	285	3,000	(2,715)	-90.5%	1,985	(1,700)	-85.6%
<b>Total Other Operating Expense</b>	<b>6,639</b>	<b>45,066</b>	<b>(38,428)</b>	<b>-85.3%</b>	<b>4,680</b>	<b>1,959</b>	<b>41.9%</b>
<b>Grand Total</b>	<b>3,594,462</b>	<b>4,465,616</b>	<b>(871,154)</b>	<b>-19.5%</b>	<b>3,527,707</b>	<b>1,330</b>	<b>1.9%</b>

# MONTHLY EXECUTIVE REPORT

## October 31, 2021

Table 12 - Division Actuals vs. Budget - Legal

Louisville & Jefferson County Metropolitan Sewer District							
Legal							
October 31, 2021							
	YTD Actual	YTD Budget	YTD Variance	% YTD Variance	YTD Prior Year	YTD Variance	% YTD Variance
<b>Salaries &amp; Wages</b>							
51120 - Regular Salaries & Wages	\$ 276,463	\$ 343,646	\$ (67,183)	-19.6%	\$ 288,226	\$ (11,763)	-4.1%
51130 - Overtime	23	1,200	(1,177)	-98.1%	296	(273)	-92.3%
51140 - Wages pd for vacation, holidays & other	32,462	0	32,462	0.0%	31,413	1,049	3.3%
51145 - Incentive Pay - Performance, ERT, Sugg	1,994	0	1,994	0.0%	8,724	(6,730)	-77.1%
<b>Total Salaries &amp; Wages</b>	<b>310,941</b>	<b>344,846</b>	<b>(33,905)</b>	<b>-9.8%</b>	<b>328,659</b>	<b>(17,718)</b>	<b>-5.4%</b>
<b>Labor &amp; Related Overhead</b>							
51300 - Payroll Taxes	18,701	23,309	(4,608)	-19.8%	20,987	(2,286)	-10.9%
51400 - Unemployment Insurance	0	212	(212)	0.0%	0	0	0.0%
51500 - Med Ins: MSD's port. of prem for grp	14,138	21,979	(7,842)	-35.7%	21,398	(7,260)	-33.9%
51600 - Retirement Contributions	72,513	85,231	(12,718)	-14.9%	88,245	(15,732)	-17.8%
<b>Total Labor &amp; Related Overhead</b>	<b>105,351</b>	<b>130,731</b>	<b>(25,380)</b>	<b>-19.4%</b>	<b>130,630</b>	<b>(25,278)</b>	<b>-19.4%</b>
<b>Materials &amp; Supplies</b>							
53140 - Materials & Supplies	779	5,008	(4,229)	-84.4%	479	300	62.7%
<b>Total Materials &amp; Supplies</b>	<b>779</b>	<b>5,008</b>	<b>(4,229)</b>	<b>-84.4%</b>	<b>479</b>	<b>300</b>	<b>62.7%</b>
<b>Contractual Services</b>							
52140 - Professional Services	49,325	84,632	(35,307)	-41.7%	21,112	28,213	133.6%
52145 - Legal	162,211	436,700	(274,489)	-62.9%	290,482	(128,271)	-44.2%
52195 - Other Contractual Services	0	0	0	0.0%	(250)	250	0.0%
<b>Total Contractual Services</b>	<b>211,536</b>	<b>521,332</b>	<b>(309,795)</b>	<b>-59.4%</b>	<b>311,344</b>	<b>(99,807)</b>	<b>-32.1%</b>
<b>Insurance Premiums &amp; Claims</b>							
54140 - General Liability Claims	10,000	0	10,000	0.0%	0	10,000	0.0%
<b>Total Insurance Premiums &amp; Claims</b>	<b>10,000</b>	<b>0</b>	<b>10,000</b>	<b>0.0%</b>	<b>0</b>	<b>10,000</b>	<b>0.0%</b>
<b>Other Operating Expense</b>							
54500 - Travel & Meetings	0	4,000	(4,000)	0.0%	1,049	(1,049)	0.0%
54550 - Training	0	1,000	(1,000)	0.0%	0	0	0.0%
54600 - Dues, Fees and Subscriptions	15,605	16,064	(459)	-2.9%	9,245	6,360	68.8%
<b>Total Other Operating Expense</b>	<b>15,605</b>	<b>21,064</b>	<b>(5,459)</b>	<b>-25.9%</b>	<b>10,294</b>	<b>5,311</b>	<b>51.6%</b>
<b>Grand Total</b>	<b>654,213</b>	<b>1,022,981</b>	<b>(368,768)</b>	<b>-36.0%</b>	<b>781,405</b>	<b>(127,192)</b>	<b>-16.3%</b>

# MONTHLY EXECUTIVE REPORT

## October 31, 2021

Table 13 - Division Actuals vs. Budget – Operations

Louisville & Jefferson County Metropolitan Sewer District							
Operations							
October 31, 2021							
	YTD Actual	YTD Budget	YTD Variance	% YTD Variance	YTD Prior Year	YTD Variance	% YTD Variance
<b>Salaries &amp; Wages</b>							
51120 - Regular Salaries & Wages	\$ 8,128,953	\$ 10,000,851	\$ (1,871,898)	-18.7%	\$ 7,664,383	\$ 464,570	6.1%
51130 - Overtime	639,609	731,972	(92,363)	-12.6%	487,123	152,486	31.3%
51135 - Special Event Compensation	44,310	118,059	(73,749)	-62.5%	42,140	2,170	5.1%
51140 - Wages pd for vacation, holidays & other	1,082,869	0	1,082,869	0.0%	1,362,688	(279,819)	-20.5%
51145 - Incentive Pay - Performance, ERT, Sugg	(13,338)	0	(13,338)	0.0%	414,703	(428,041)	-103.2%
<b>Total Salaries &amp; Wages</b>	<b>9,882,403</b>	<b>10,850,882</b>	<b>(968,479)</b>	<b>-8.9%</b>	<b>9,971,037</b>	<b>(88,634)</b>	<b>-0.9%</b>
<b>Labor &amp; Related Overhead</b>							
51300 - Payroll Taxes	612,528	761,664	(149,136)	-19.6%	730,438	(117,910)	-16.1%
51400 - Unemployment Insurance	0	6,440	(6,440)	0.0%	0	0	0.0%
51500 - Med Ins: MSD's port. of prem for grp	1,382,746	1,544,676	(161,930)	-10.5%	1,312,570	70,176	5.3%
51600 - Retirement Contributions	2,711,419	2,680,607	30,811	1.1%	2,667,346	44,073	1.7%
<b>Total Labor &amp; Related Overhead</b>	<b>4,706,692</b>	<b>4,993,387</b>	<b>(286,695)</b>	<b>-5.7%</b>	<b>4,710,354</b>	<b>(3,661)</b>	<b>-0.1%</b>
<b>Utilities</b>							
53310 - Electric	3,711,772	4,380,000	(668,228)	-15.3%	3,525,337	186,435	5.3%
53320 - Natural Gas	73,698	314,727	(241,029)	-76.6%	141,876	(68,177)	-48.1%
53330 - Water	453,616	428,564	25,052	5.8%	391,476	62,140	15.9%
53340 - Telephone	1	0	1	0.0%	0	1	0.0%
53345 - Data Communications	96,731	83,400	13,331	16.0%	46,231	13,331	109.2%
<b>Total Utilities</b>	<b>4,335,818</b>	<b>5,206,691</b>	<b>(870,873)</b>	<b>-16.7%</b>	<b>4,104,920</b>	<b>193,729</b>	<b>5.6%</b>
<b>Materials &amp; Supplies</b>							
53140 - Materials & Supplies	1,925,094	1,982,214	(57,120)	-2.9%	1,978,858	(53,764)	-2.7%
53160 - Landfill Cost of fill dirt	229,196	91,000	138,196	151.9%	86,749	142,447	164.2%
<b>Total Materials &amp; Supplies</b>	<b>2,154,290</b>	<b>2,073,214</b>	<b>81,075</b>	<b>3.9%</b>	<b>2,065,607</b>	<b>88,683</b>	<b>4.3%</b>
<b>Contractual Services</b>							
51700 - Uniforms	25,102	57,055	(31,953)	-56.0%	41,072	(15,970)	-38.9%
52110 - Billing & Collection	55,966	55,072	894	1.6%	54,503	1,463	2.7%
52130 - Custodial & Watchmen	50,152	65,867	(15,714)	-23.9%	57,524	(7,372)	-12.8%
52140 - Professional Services	153,969	192,383	(38,415)	-20.0%	136,302	17,667	13.0%
52155 - Banking Services	105	0	105	0.0%	0	105	0.0%
52160 - Maintenance & Repairs	613,311	565,521	47,790	8.5%	556,666	56,645	10.2%
52170 - Sludge & Grit Disposal	2,079,624	1,052,118	1,027,506	97.7%	1,630,628	448,996	27.5%
52180 - Temporary Services	10,093	79,317	(69,223)	-87.3%	11,231	(1,138)	-10.1%
52195 - Other Contractual Services	4,335,757	3,819,486	516,271	13.5%	4,092,035	243,722	6.0%
<b>Total Contractual Services</b>	<b>7,324,079</b>	<b>5,886,819</b>	<b>1,437,261</b>	<b>24.4%</b>	<b>6,579,961</b>	<b>744,118</b>	<b>11.3%</b>
<b>Bad Debt</b>							
54200 - Bad Debts	6,000	0	6,000	0.0%	0	6,000	0.0%
<b>Total Bad Debt</b>	<b>6,000</b>	<b>0</b>	<b>6,000</b>	<b>0.0%</b>	<b>0</b>	<b>6,000</b>	<b>0.0%</b>
<b>Chemicals</b>							
53210 - Chlorine	0	3,800	(3,800)	0.0%	0	0	0.0%
53215 - Sodium Hypochlorite	267,361	397,533	(130,172)	-32.7%	235,647	31,714	13.5%
53220 - Polymer	924,962	880,000	44,963	5.1%	672,236	252,727	37.6%
53225 - Sodium Aluminate	49,407	96,000	(46,593)	-48.5%	52,874	(3,467)	-6.6%
53230 - Liquid Oxygen	83,980	153,200	(69,220)	-45.2%	30,630	53,350	174.2%
53235 - Liquid Nitrogen	0	8,000	(8,000)	0.0%	0	0	0.0%
53240 - Other Chemicals	29,836	37,336	(7,500)	-20.1%	51,759	(21,922)	-42.4%
53250 - Dechlorination	125,331	151,000	(25,669)	-17.0%	131,538	(6,207)	-4.7%
53275 - Defoamer	0	28,462	(28,462)	0.0%	0	0	0.0%
53280 - Bioxide	461,166	400,133	61,033	15.3%	377,802	83,364	22.1%
53285 - Sodium Hydroxide	0	750	(750)	0.0%	0	0	0.0%
<b>Total Chemicals</b>	<b>1,942,043</b>	<b>2,156,214</b>	<b>(214,171)</b>	<b>-9.9%</b>	<b>1,552,485</b>	<b>389,558</b>	<b>25.1%</b>
<b>Fuel</b>							
53120 - Gasoline	199,825	178,084	21,741	12.2%	152,179	47,646	31.3%
53130 - Diesel Fuel	258,927	289,149	(30,221)	-10.5%	181,560	77,367	42.6%
<b>Total Fuel</b>	<b>458,752</b>	<b>467,233</b>	<b>(8,480)</b>	<b>-1.8%</b>	<b>333,739</b>	<b>125,013</b>	<b>37.5%</b>
<b>Insurance Premiums &amp; Claims</b>							
54110 - General Liability Insurance	0	840	(840)	0.0%	0	0	0.0%
54130 - Property Insurance	0	23,333	(23,333)	0.0%	0	0	0.0%
54140 - General Liability Claims	717	5,667	(4,950)	-87.3%	2,179	(1,462)	-67.1%
<b>Total Insurance Premiums &amp; Claims</b>	<b>717</b>	<b>29,840</b>	<b>(29,123)</b>	<b>-97.6%</b>	<b>2,179</b>	<b>(1,462)</b>	<b>-67.1%</b>
<b>Other Operating Expense</b>							
53410 - Equipment Rental	90,678	46,865	43,813	93.5%	74,343	16,335	22.0%
53420 - Space Rent	10,000	10,000	0	0.0%	8,350	1,650	19.8%
54250 - Contributions	0	0	0	0.0%	10,000	(10,000)	0.0%
54300 - Fines, Penalties & Damages	4,399	0	4,399	0.0%	4,000	399	10.0%
54500 - Travel & Meetings	6,758	11,650	(4,892)	-42.0%	2,383	4,375	183.6%
54550 - Training	15,500	88,611	(73,111)	-82.5%	13,399	2,101	15.7%
54600 - Dues, Fees and Subscriptions	63,823	43,298	20,525	47.4%	18,592	45,231	243.3%
<b>Total Other Operating Expense</b>	<b>191,158</b>	<b>200,424</b>	<b>(9,266)</b>	<b>-4.6%</b>	<b>131,068</b>	<b>60,091</b>	<b>45.8%</b>
<b>Grand Total</b>	<b>31,001,953</b>	<b>31,864,704</b>	<b>(862,751)</b>	<b>-2.7%</b>	<b>29,451,349</b>	<b>1,513,435</b>	<b>5.3%</b>

# MONTHLY EXECUTIVE REPORT

## October 31, 2021

Table 14 - Division Actuals vs. Budget – Supply Chain

Louisville & Jefferson County Metropolitan Sewer District Supply Chain October 31, 2021							
	YTD Actual	YTD Budget	YTD Variance	% YTD Variance	YTD Prior Year	YTD Variance	% YTD Variance
<b>Salaries &amp; Wages</b>							
51120 - Regular Salaries & Wages	\$ 422,176	\$ 577,830	\$ (155,654)	-26.9%	\$ 432,053	\$ (9,877)	-2.3%
51130 - Overtime	6,605	8,257	(1,651)	-20.0%	7,549	(944)	-12.5%
51140 - Wages pd for vacation, holidays & other	48,448	0	48,448	0.0%	45,973	2,475	5.4%
51145 - Incentive Pay - Performance, ERT, Sugg	(1,154)	0	(1,154)	0.0%	18,400	(19,554)	-106.3%
<b>Total Salaries &amp; Wages</b>	<b>476,076</b>	<b>586,086</b>	<b>(110,011)</b>	<b>-18.8%</b>	<b>503,975</b>	<b>(27,899)</b>	<b>-5.5%</b>
<b>Labor &amp; Related Overhead</b>							
51240 - Group Life - AD&D Insurance	936	0	936	0.0%	0	936	0.0%
51300 - Payroll Taxes	29,866	43,492	(13,626)	-31.3%	35,646	(5,780)	-16.2%
51400 - Unemployment Insurance	0	324	(324)	0.0%	0	0	0.0%
51500 - Med Ins: MSD's port. of prem for grp	54,157	56,821	(2,664)	-4.7%	48,914	5,243	10.7%
51600 - Retirement Contributions	136,869	135,186	1,683	1.2%	130,344	6,525	5.0%
<b>Total Labor &amp; Related Overhead</b>	<b>221,828</b>	<b>235,823</b>	<b>(13,995)</b>	<b>-5.9%</b>	<b>214,905</b>	<b>6,923</b>	<b>3.2%</b>
<b>Materials &amp; Supplies</b>							
53140 - Materials & Supplies	4,420	19,090	(14,670)	-76.8%	2,780	1,640	59.0%
<b>Total Materials &amp; Supplies</b>	<b>4,420</b>	<b>19,090</b>	<b>(14,670)</b>	<b>-76.8%</b>	<b>2,780</b>	<b>1,640</b>	<b>59.0%</b>
<b>Contractual Services</b>							
51700 - Uniforms	163	1,460	(1,298)	-88.9%	193	(31)	-15.8%
52140 - Professional Services	8,387	102,106	(93,720)	-91.8%	0	8,387	0.0%
52160 - Maintenance & Repairs	12,996	20,000	(7,004)	-35.0%	10,921	2,075	19.0%
52180 - Temporary Services	29,779	(3)	29,782	-1116815.9%	14,086	15,694	111.4%
52195 - Other Contractual Services	(9,346)	(25,688)	16,342	-63.6%	(25,811)	16,465	-63.8%
<b>Total Contractual Services</b>	<b>41,978</b>	<b>97,876</b>	<b>(55,898)</b>	<b>-57.1%</b>	<b>(611)</b>	<b>42,589</b>	<b>-6970.1%</b>
<b>Other Operating Expense</b>							
53410 - Equipment Rental	4,600	2,000	2,600	130.0%	0	4,600	0.0%
53430 - Leased Parking	0	833	(833)	0.0%	0	0	0.0%
54250 - Contributions	0	10,000	(10,000)	0.0%	0	0	0.0%
54400 - Advertising	279	20,400	(20,121)	-98.6%	0	279	0.0%
54500 - Travel & Meetings	1,201	27,067	(25,866)	-95.6%	680	521	76.6%
54550 - Training	602	28,183	(27,581)	-97.9%	100	502	502.0%
54600 - Dues, Fees and Subscriptions	300	19,860	(19,560)	-98.5%	2,122	(1,822)	-85.9%
<b>Total Other Operating Expense</b>	<b>6,982</b>	<b>108,343</b>	<b>(101,361)</b>	<b>-93.6%</b>	<b>2,902</b>	<b>4,080</b>	<b>140.6%</b>
<b>Grand Total</b>	<b>751,283</b>	<b>1,047,217</b>	<b>(295,934)</b>	<b>-28.3%</b>	<b>723,951</b>	<b>27,332</b>	<b>3.8%</b>

# MONTHLY EXECUTIVE REPORT

## October 31, 2021

### SUPPLEMENTAL FINANCIAL REPORTING

#### Revenue by Customer Class

Table 15 - Revenue by Customer Class

	Number of Customers		Revenue by Customer Class		Budget By Customer Class	
	Oct-2021	Oct-2020	Oct-2021	Oct-2020	Oct-2021	Oct-2020
<b>Wastewater</b>						
Residential	230,416	229,018	13,788,290	12,203,126	13,312,427	12,375,505
Commercial	21,621	21,536	6,686,508	5,553,215	6,315,799	6,006,697
Industrial	392	392	1,902,442	1,678,616	2,075,283	2,313,833
<b>Sub-Total</b>	252,429	250,946	22,377,240	19,434,958	21,703,509	20,696,035
<b>Drainage</b>						
Residential	208,671	207,558	2,904,464	2,557,902	2,890,878	2,744,131
Commercial	14,058	14,080	4,014,954	3,507,556	3,892,970	3,669,793
Industrial	269	268	459,184	422,905	447,236	393,298
<b>Sub-Total</b>	222,998	221,906	7,378,602	6,488,362	7,231,085	6,807,222
<b>Grand Total</b>			<b>\$ 29,755,842</b>	<b>\$ 25,923,320</b>	<b>\$ 28,934,593</b>	<b>\$ 27,503,257</b>

# MONTHLY EXECUTIVE REPORT

## October 31, 2021

### Headcount

The chart below shows staffing level by division as of October 31, 2021.

Table 16 – Headcount by Division

FY22 Headcount by Division		
	Authorized	Filled
Administration		
Communications	4	4
Community Benefits & Partnerships	8	3
Customer Relations	22	17
Executive Offices	5	5
Facilities	8	8
Innovation	3	2
Internal Audit	4	4
Records and Information Governance	9	7
Safety	15	13
Corporate	1	1
Engineering	96	89
Finance	19	17
Human Resources	19	16
Information Technology	33	27
Legal	10	7
Operations	465	423
Supply Chain & Economic Inclusion	24	18
Total Authorized Positions	745	661
*Excludes temporary & seasonal staff		

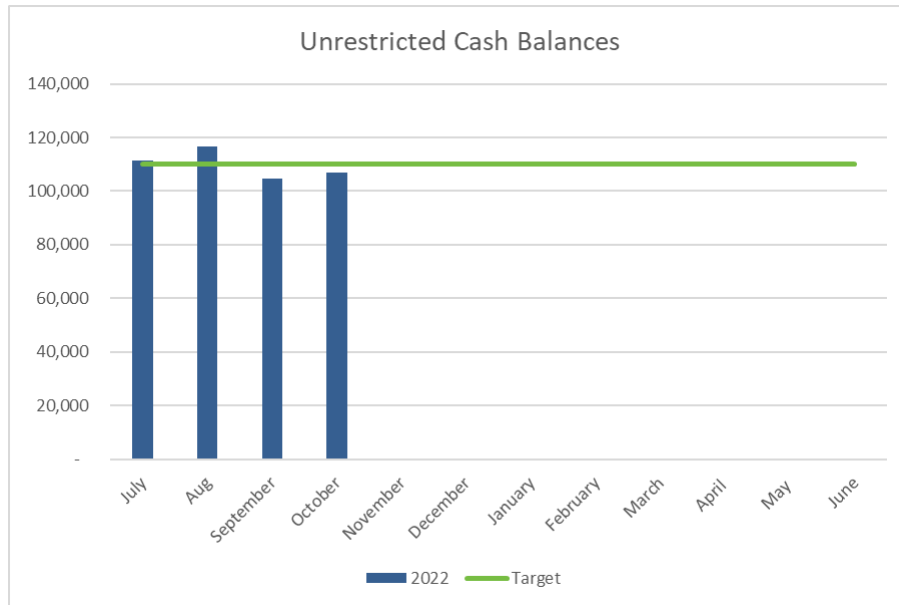
## MONTHLY EXECUTIVE REPORT

### October 31, 2021

#### Cash Balances

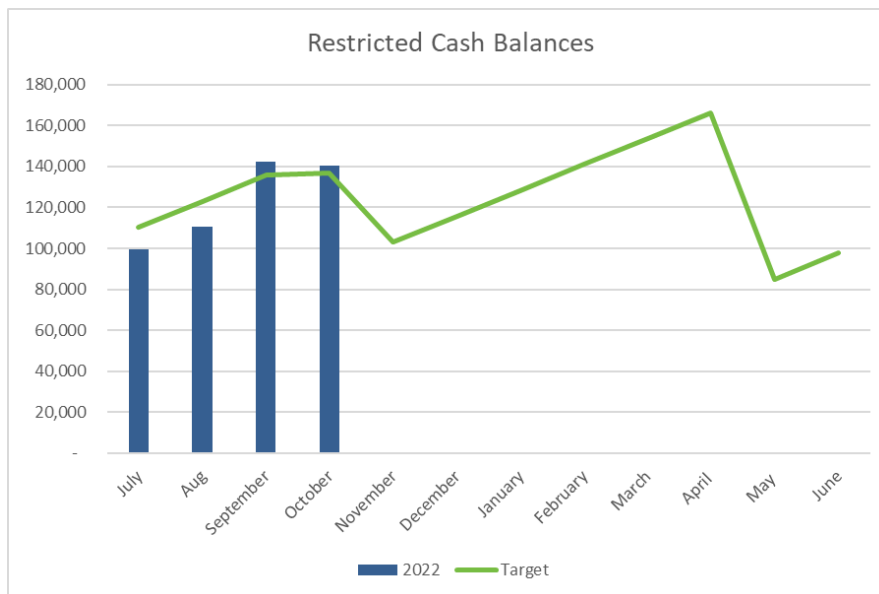
Unrestricted cash & cash equivalents generated from service fees and are operating income are used to pay for operating expenses. Unrestricted cash balance is a measure of financial health and supports the underlying credit rating. Low cash balances indicate poor flexibility and inability to manage contingencies.

Table 17 – Unrestricted Cash Balances



Restricted cash & cash equivalents are reserved for the purpose of bond debt service, funding of capital construction, cost of issuance, and debt service reserves. MSD supplements its restricted debt service reserve cash and investments with a \$75 million bond surety policy to meet its required level of maximum annual debt service reserve funding.

Table 18 – Restricted Cash Balances



# MONTHLY EXECUTIVE REPORT

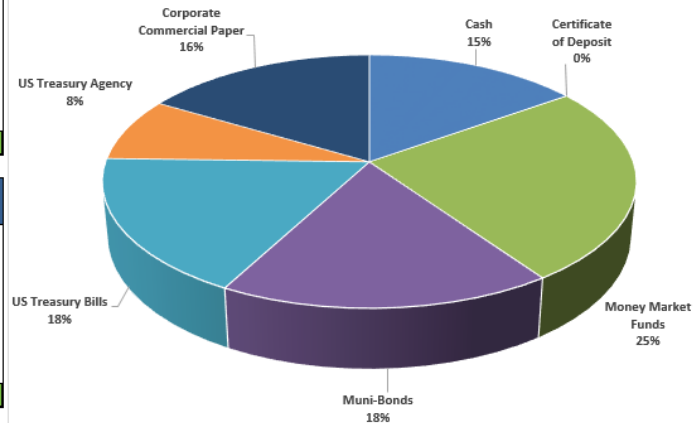
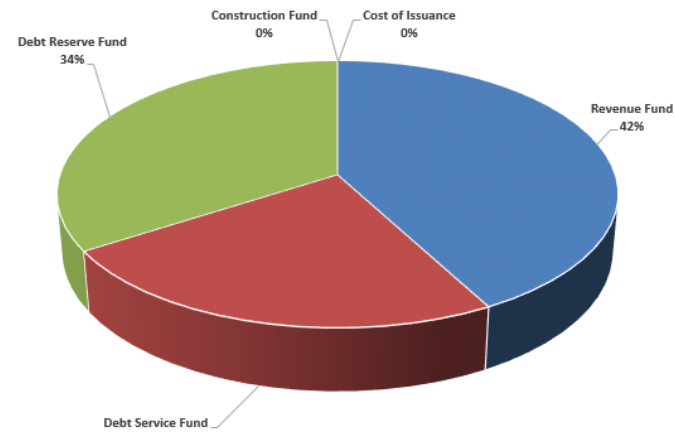
## October 31, 2021

### Current Investment Model

Table 19 – Current Investment Model

Series	Revenue Fund	Debt Service Fund	Debt Reserve Fund	Construction Fund	Cost of Issuance	Total
2008A	-	-	1,007,165	-	-	1,007,165
2009A	-	-	4,450,014	-	-	4,450,014
2009B	-	-	15,148,889	-	-	15,148,889
2009C	-	5,046,372	13,780,594	-	-	18,826,966
2010A	-	8,660,496	18,583,227	-	-	27,243,723
2011A	-	88,928	-	-	-	88,928
2013A	-	1,973,988	25,729,009	-	-	27,702,997
2013B	-	2,687,380	-	-	-	2,687,380
2013C	-	56,139	96,726	-	-	152,865
2014A	-	1,454,548	-	-	-	1,454,548
2015A	-	3,300,095	150,040	-	-	3,450,135
2015B	-	2,381,662	-	-	-	2,381,662
2016A	-	2,401,437	-	-	-	2,401,437
2016B	-	1,258,717	-	-	-	1,258,717
2016C	-	8,873,346	-	-	-	8,873,346
2017A	-	5,451,894	1,559,082	-	-	7,010,976
2017B	-	1,020,309	-	-	-	1,020,309
2018A	-	1,032,594	-	-	-	1,032,594
2019A	-	4,151,007	-	-	-	4,151,007
2020A	-	2,992,141	2,210,136	-	-	5,202,277
2020C	-	1,471,054	-	-	-	1,471,054
2021A	-	3,381,607	-	-	-	3,381,607
2021 BAN	-	1,947	-	-	6,500	8,447
CP 2018 A-1 & A-2	-	-	-	73	-	73
Cash	36,643,649	-	-	-	-	36,643,649
Certificate of Deposit	100,000	-	-	-	-	100,000
Money Market Funds	2,575,452	-	-	-	-	2,575,452
Muni-Bonds	3,021,664	-	-	-	-	3,021,664
US Treasury Bills	19,925,650	-	-	-	-	19,925,650
Corporate Commercial Paper	39,979,543	-	-	-	-	39,979,543
	<b>\$ 102,245,959</b>	<b>\$ 57,685,660</b>	<b>\$ 82,714,882</b>	<b>\$ 73</b>	<b>\$ 6,500</b>	<b>\$ 242,653,074</b>

Asset Description	Revenue Fund	Debt Service Fund	Debt Reserve Fund	Construction Fund	Cost of Issuance	Total
Cash	36,643,649	1,947	-	-	6,500	36,652,096
Certificate of Deposit	100,000	-	-	-	-	100,000
Money Market Funds	2,575,452	57,683,714	770,112	73	-	61,029,351
Muni-Bonds	3,021,664	-	39,555,891	-	-	42,577,555
US Treasury Bills	19,925,650	-	22,750,472	-	-	42,676,122
US Treasury Agency	-	-	19,638,407	-	-	19,638,407
Corporate Commercial Paper	39,979,543	-	-	-	-	39,979,543
	<b>\$ 102,245,959</b>	<b>\$ 57,685,660</b>	<b>\$ 82,714,882</b>	<b>\$ 73</b>	<b>\$ 6,500</b>	<b>\$ 242,653,074</b>



## MONTHLY EXECUTIVE REPORT

### October 31, 2021

#### **Monthly Investment Activity**

Table 20 - Monthly Investment Activity

Account	Transaction Type	Category	Amount
2008A Debt Reserve	Purchase	City of Portsmouth VA Muni	1,014,961.00
2011/2011 Debt Reserve	Purchase	City of Portsmouth VA Muni	587,609.00

October 31, 2021

### Commercial Paper Program Summary

MSD operates a \$500 million Commercial Paper (CP) program to provide interim financing for its capital program. Liquidity support is provided by JP Morgan Chase and Bank of America, NA. Merrill Lynch, Pierce, Fenner & Smith Inc and JP Morgan Securities are dealers for the program. In October, we had two notes mature which were replaced with new notes with an average rate of 0.12% and an average term of 121 days. In October, we did not issued any new notes. In November, we have four notes maturing totaling \$45M.

The CP Construction Fund balance as of October 31st, was \$36.47. Outstanding CP notes are currently split 53.8% with JP Morgan and 46.2% with Bank of America.

Table 21 – Commercial Paper Program Issuance Details

CP Issuance Details										
Currently Outstanding										
Issuance Date	CUSIP	Principal	Rate	Term (# of days)	Maturity Date	Dealer (JPM/BAML)	Interest Cost	New Issuance or Roll?	SIFMA Index	Spread over (under) SIFMA
6/1/2021	54658QCK8	15,000,000	0.13%	153	11/1/2021	JPM	8,173.97	Roll	0.05%	0.08%
6/10/2021	54658QCL6	10,000,000	0.10%	151	11/8/2021	JPM	4,136.99	New	0.03%	0.07%
6/17/2021	54658QCM4	10,000,000	0.10%	152	11/16/2021	JPM	4,164.38	Roll	0.03%	0.07%
7/1/2021	54658QCP7	10,000,000	0.10%	126	11/4/2021	JPM	3,452.05	Roll	0.03%	0.07%
7/7/2021	54658RAC6	10,000,000	0.10%	149	12/3/2021	JPM	4,082.19	Roll	0.03%	0.07%
7/12/2021	54658NCN9	15,000,000	0.11%	150	12/9/2021	BAML	6,780.82	New	0.02%	0.09%
8/9/2021	54658QCQ5	15,000,000	0.10%	120	12/7/2021	JPM	4,931.51	New	0.02%	0.08%
8/17/2021	54658QCR3	10,000,000	0.12%	162	1/26/2022	JPM	5,326.03	Roll	0.02%	0.10%
8/23/2021	54658NCP4	20,000,000	0.11%	150	1/20/2022	BAML	9,041.10	Roll	0.02%	0.09%
8/27/2021	54658NCQ2	20,000,000	0.10%	150	1/24/2022	BAML	8,219.18	Roll	0.02%	0.08%
9/1/2021	54658NCR0	15,000,000	0.12%	155	2/3/2022	BAML	7,643.84	Roll	0.02%	0.10%
9/10/2021	54658NCS8	15,000,000	0.11%	150	2/7/2022	BAML	6,780.82	Roll	0.02%	0.09%
9/13/2021	54658QCS1	15,000,000	0.11%	150	2/10/2022	JPM	6,780.82	New	0.02%	0.09%
10/15/2021	54658QCT9	10,000,000	0.12%	124	2/16/2022	JPM	4,076.71	Roll	0.05%	0.07%
10/22/2021	54658NCT6	5,000,000	0.12%	118	2/17/2022	BAML	1,939.73	Roll	0.05%	0.07%
Currently Outstanding: \$ 195,000,000							\$ 85,530			
FY21 YTD: \$ 175,000,000							\$ 82,971			

The Securities Industry and Financial Markets Association (SIFMA) publishes a 7-day high-grade market index comprised of tax-exempt Variable Rate Demand Obligations (VRDOs) with certain characteristics. The Index is calculated and published by Bloomberg and is overseen by SIFMA's Municipal Swap Index Committee. The SIFMA is a short-term interest rate index that MSD uses to gauge the interest rates we receive on our CP placements.

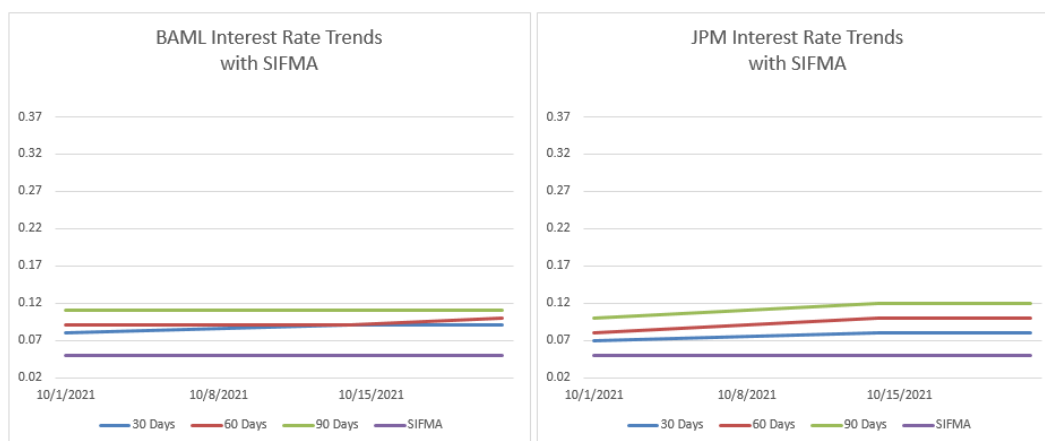


Figure 1 – BAML and JPM Interest Rate Trends

## SECTION 3: CAPITAL PROGRAM PERFORMANCE

The Capital Program Performance Section is prepared to provide MSD's Executive Director and the MSD Board with a high-level understanding of progress made with implementing the FY22 CIP, including Consent Decree and other mandated projects, regulatory compliance commitments, and high priority asset management needs. The following information is presented in this report:

- Comparison of forecast and expenditures to the approved FY22 budget performance target (approved budget minus Management Reserve)
- Discussion of change management activities occurring during the reporting period
- Major project highlights and program challenges
- Forecast of upcoming procurement activities

### FY22 CAPITAL BUDGET BASIS

The FY22 CIP budget of \$200.7M for Jefferson County and Oldham County projects was approved by the Board in May 2021. The approved budget was based upon \$183.3M in total expenditures forecasted at that time for the projects anticipated to be active during the Fiscal Year July 1, 2021 through June 30, 2022 plus \$17.4M was set aside in Management Reserve to fund emergencies and other unanticipated priorities for a total approved budget ceiling of \$200.7M.

It is important to recognize many projects span across multiple fiscal years so the annual budget may not represent the total estimate for the project. Also, construction spending is dependent upon the Contractor's actual progress with the work contracted. Complex construction projects, such as tunnels, are difficult to predict exactly how spending will occur each month. Variations in starting project activities, equipment deliveries, weather delays, subsurface conditions, etc. can affect the speed of monthly and annual spending. For large capital projects MSD reviews the Contractor's anticipated rate of spending and compares it with MSD's cashflow forecast on a monthly basis.

### CIP Priorities for Operations

The FY22 CIP was developed in coordination with MSD's Engineering, Finance, and Operations. The overarching intent of the CIP is to enhance, support, and streamline utility operations by 1) providing capital funding for new equipment; 2) replacing aging infrastructure; 3) reducing sewer overflows; and 4) improving reliability of all assets operated and maintained by MSD. The 5-year and FY22 CIP were developed to mitigate risks related to asset failure and regulatory compliance. MSD prioritizes funding to achieve the greatest risk mitigation possible with the available budget.

The top CIP priorities from an operational perspective were included in the baseline FY22 CIP.

- **Morris Forman WQTC Biosolids:** The aging biosolids processes at the Morris Forman WQTC have presented significant operational challenges. The FY22 CIP includes multiple projects related to biosolids process improvements including: 1) award of the progressive design-build project for a new state-of-the-art biosolids processing facility; 2) completion of construction of the Morris Forman WQTC dryer replacements; 3) completion of construction of the Derrik R. Guthrie WQTC new dewatering facility; 4) completion of construction of a new dewater facility at the Hite Creek WQTC; and 5) an advancement of an update the District-Wide Biosolids Management Master Plan.
- **Morris Forman WQTC Sedimentation Basin Rehabilitation:** The peak flow capacity of the Morris Forman WQTC is currently limited by the capacity of the sedimentation basins. Construction began in FY22 for rehabilitating all four basins. Per an Agreed Order with the State, this work must be completed no later than December 31, 2026.
- **Large Diameter Sewer Rehabilitation Program:** Every year, MSD experiences multiple sewer failures – primarily due to aging infrastructure. As such, MSD is continuing a 5-year program to proactively rehabilitate the highest risk large diameter sewers. In FY22 construction will proceed

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for the I-64 & Grinstead area sewers, Rudd Avenue, Nightingale, and Western Outfall sewers. Design and condition assessment will begin in FY22 for the Prospect Phase 2 and Little Cedar Creek sewers. MSD continues to make progress with implementing this projects. Through the current reporting period the following projects are complete: Nightingale Sewer Rehabilitation, Broadway Interceptor Rehabilitation, Cherokee Interceptor Rehabilitation, and repair of the Harrods Creek Force Main.

- **Flood Pump Station Reliability Improvements:** The Ohio River Flood Protection System protects 240,000 people and \$60 billion of property within the levee area. MSD is working in partnership with the United States Army Corps of Engineers to complete \$168 million of asset improvements with the intent of improving the overall reliability of the system. Work is anticipated to begin in FY22 for at least two projects: Canal Street Floodwall and the Paddy's Run FPS Capacity Improvement Project. Through the current reporting period, MSD has selected a progressive design build team to complete the Paddy's Run FPS Project. Staff continue to coordinate with PG&E regarding the Canal Street Floodwall project.

This information will be updated/adjusted in the event new priorities develop or risks change.

### FY22 CIP OVERALL PERFORMANCE

MSD assigned funds to Management Reserve to fund emergencies and unanticipated priorities. Use of the Management Reserve requires approval by the CIP Management Team. The baseline FY22 budget included \$17.4M for Management Reserve. Given the fluid nature of the timing Management Reserve funds will be expended, MSD is reporting cash flow performance excluding unutilized Management Reserve. The following new budget performance nomenclature is introduced into this monthly report:

- **Budget Ceiling:** This represents the total annual capital spend approved with the FY22 CIP of \$200.7M inclusive of all projects, appropriations, and Management Reserve funds.
- **Performance Budget Target:** This represents the Budget Ceiling minus the current level of Management Reserve (as captured in G22008). This target, which will change as Management Reserve is utilized, better measures progress of the working slate of projects. As of October 31, 2021, the Performance Budget Target is \$188.0M.

FY22 capital expenditures for the Wastewater, Stormwater, and Support Services Programs totaled \$25.4M through October 2021. This spend represents approximately 12.65% the \$200.7M FY22 capital budget and 13.5% of the budget performance target. The total expenditures for FY22 are currently projected to be \$178.9M, which is 4.9% below the budget performance target of \$188.0M but 10.8% below the approved budget ceiling.

Table 22 - Capital Budget Performance Summary

1. Financial Category	Value	Comments
FY 2022 Budget Ceiling	\$200.7M	Approved by MSD board
<b>FY 2022 Performance Budget Target</b>	<b>\$188.0M</b>	<b>Budget Ceiling minus Mgmt Reserve</b>
FY 2022 Actuals	\$25.4M	12.6% of budget
FY 2022 Remaining Forecasted Spend	\$153.5	Forecasted remaining spend in FY 2021
<b>Forecast for Total FY 2022 Spend</b>	<b>\$178.9</b>	<b>Actuals plus forecasted remaining spend</b>
Difference from Approved Budget Ceiling	\$21.8M	10.8% below approved FY 2022 budget ceiling

Note: The forecast will continue to evolve throughout the FY based on changes to the program including project schedules and estimates.

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A breakdown of the monthly spend forecast as compared to actual spending is presented in Table 23 and Figure 2. Capital expense reflects total capital invoices received against purchase orders in the month.

Table 23 – FY22 Evolving Spend Forecast and Actuals

FY22	Monthly Baseline Performance Target	Monthly Actuals
July 2021	\$ ---	\$ 1.3M
August 2021	\$ 14.5M	\$ 6.3M
September 2021	\$ 13.0M	\$ 10.0M
October 2021	\$ 12.6M	\$7.8M
November 2021	\$ 14.9M	
December 2021	\$ 16.4M	
January 2022	\$ 18.1M	
March 2022	\$ 19.6M	
March 2022	\$ 20.7M	
April 2022	\$ 18.1M	
May 2022	\$ 14.5M	
June 2022	\$ 20.9M	
<b>FY 22 Performance Budget Target</b>	<b>\$ 183.3M</b>	<b>\$ 25.4M</b>

*Note: The FY22 baseline forecast excludes \$17.4M in Management Reserve. The forecast and actuals exclude FEMA grant projects. Most invoices paid in July are for work performed in June, and therefore were charged against the FY21 budget. The June 2022 estimate includes the FY22 accruals.*

The cashflow forecast graph presents the monthly actual spending along with the current projected spending for the fiscal year as mathematically calculated by the cash flow tool. The baseline compares the forecast to the projection used to develop the FY22 CIP. For the current reporting period, the total FY22 spending projection is \$178.9M or 10.8% below the budget ceiling (refer to Figure 3).

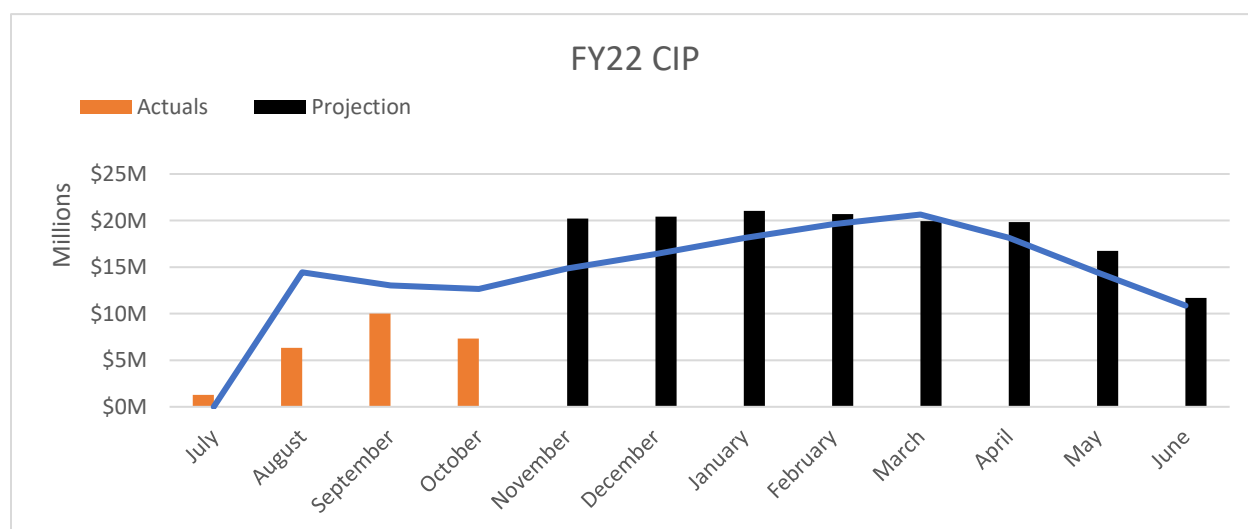


Figure 2 – FY22 Cashflow Forecast

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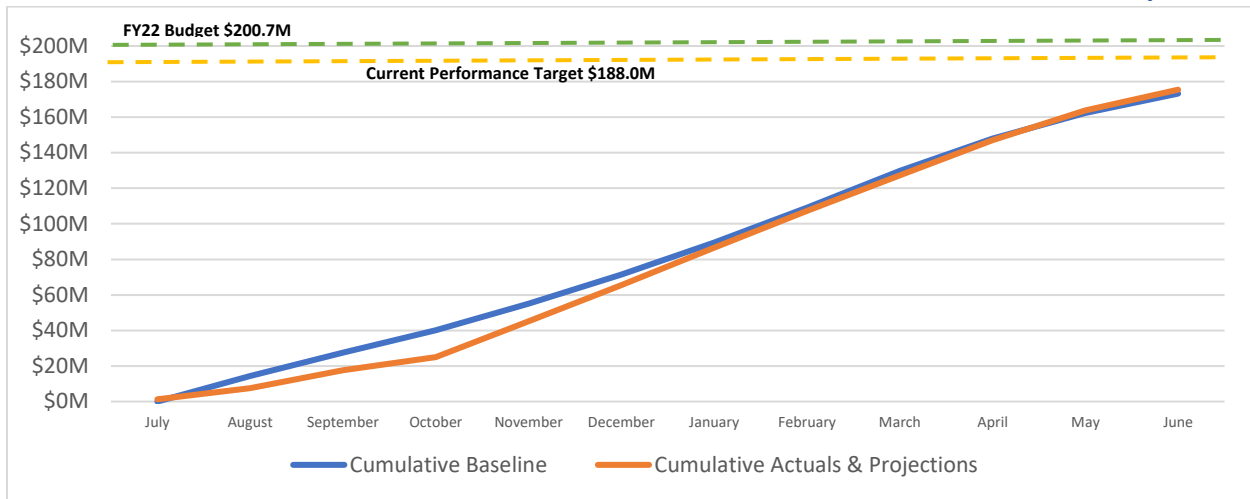


Figure 3 – FY22 Baseline Cashflow Forecast Vs. Actuals and Current Forecast

### Challenges to CIP Execution

Efforts made by staff to meet project delivery milestones have been impacted by the following:

- Nationwide electronic chip shortage impacting the delivery of new vehicles
- Supply shortage of material impacting delivery of equipment
- Shortage of external workforce impacting manufacturing and delivery of equipment
- General impacts of COVID have delayed some projects
- Obtaining easements and stakeholder approval have resulted in delays for major interceptor projects including the Floyds Fork Interceptor and Ash Avenue Interceptor
- Lack of bidders/bidder interest has reduced the number of respondents for some procurements
- Contractor learning curve to understand and properly comply with Supplier Diversity requirements is requiring some projects to be re-bid

### MONTHLY PROJECT ACTIVITIES

MSD's working definitions for each project's schedule activity are as follows:

- **Initiation/ Procurement Activity:** The time when a project in the approved CIP is waiting for planning to be completed; a design Project Manager (PM) assignment; or a consulting Professional Services Agreement Notice-to-Proceed (NTP).
- **Design Activity:** The time from when a project is transitioned from planning to preliminary design through final design, through bidding, until the NTP is issued for construction.
- **Construction Activity:** The time from when a project is issued a NTP through achievement of Substantial Completion of the contracted scope of work.
- **Closeout/Warranty Phase Project:** The time when contracted work has been Substantially Completed and the Project Manager is waiting to receive the final pay application and/or finalize the warranty walkthrough inspection.

A summary of status of projects active during the reporting period is provided in Table 24.

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Table 24 – Summary of Active Non-Appropriation Projects During Reporting Month

Current Project Activity	# of Projects	Lifetime Actuals	FY22 Budget	FY22 Actuals
Studies	5	\$152,142	\$1,765,228	\$(11,781)
Initiation & Procurement	17	\$520,978	\$10,985,029	\$438,710
Design	56	\$12,505,994	\$67,427,679	\$451,136
Construction	30	\$305,288,615	\$58,291,316	\$13,871,355
Closeout/Warranty	43	\$161,487,132	\$3,201,078	\$4,865,035
<b>TOTAL</b>	<b>151</b>	<b>\$479,954,861</b>	<b>\$141,670,330</b>	<b>\$19,626,236</b>

### Emergency Contracts to Repair Infrastructure Damage

When emergencies become larger than internal resources can handle and/or present immediate public safety dangers, emergency contracts are executed. MSD issues emergency contracts under the Chief Engineer's and Executive Director's authority. These emergencies are primarily due to the condition and age of MSD's assets. Some of the emergencies are due to heavy rain events and saturated soils undermining of pipe infrastructure and drainage runoff has washing away and/or eroding drainage systems. For the past decade MSD had to defer spending for asset management in order to comply with construction of new assets mandated in the Consent Decree to mitigate unauthorized discharges.

Details of the emergency contract work for FY22 through the current reporting period are included in the table below. The amount presented typically reflects the construction contract only. The Budget ID assigned to each project is listed. Projects that are routine in nature and repaired relatively quickly are performed under the annual appropriation FY22 Renewal and Replacement - Budget ID G22001. Projects more complex or requiring more time for completion are assigned a new budget ID.

Table 25 – Year-to-Date Active Emergency Contract Work

Emergency	Funding Source	Date Began	Contractor	Amount
Harrods Creek FM Repair	A20280	11/25/2019	MAC Construction	\$ 9,000,000
MFQWTC LG Dryer Replacements	D20285	1/2/2020	Judy Construction	\$ 51,317,010
10 <sup>th</sup> Street FPS MCC Replacement	F21123	7/23/2020	CE Power	\$ 250,000
26th Street Sewer Repair	A21241	5/6/2021	Temple and Temple	\$ 5,000,000
SGC Gates Replacement – Design	H22022	7/1/2021	AECOM	\$ 300,000
SGC Gate #1 Repairs	F21202	3/9/2021	Pace Contracting, LLC	\$ 100,000
Upper Mill Creek FPS, Pump #3	K18266	7/21/2021	JCI	\$ 500,000
MFQWTC FEPS Soft Starters		12/2/2019	Advanced Electric Systems	\$ 985,997

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Emergency	Funding Source	Date Began	Contractor	Amount
1102 Outer Loop Pipe Replacement Project	G22001	9/16/2020	B & R Contracting, LLC	\$ 47,000
6800 Bardstown Road Bank Repair		8/3/202021	Basham Construction and Rental Company Inc.	\$ 202,000
3342 Indian Lake Drive		6/18/2021	TRC, LLC (WBE)	\$ 25,000
Mason Lane Culvert Replacement		1/26/2021	Basham Construction	\$ 271,898
MF Water Line Replacement		2/8/2021	Seven Seas	\$ 40,850
MFWQTC FEPS N Integral Substation Repl.		3/5/2021	CE Power	\$ 550,000
2021 Woodford Place Emergency PSC		3/15/2021	TRC, LLC (WBE)	\$ 30,000
Scenic Loop Pipe Replacement		6/24/2021	K. Weihe Construction, Inc.	\$ 45,000
Clay and Breckinridge Sewer Repair		7/16/2021	Pace Contracting, LLC	\$ 250,000
DRG Aeration Basin Sluice Gate Project		9/22/2021	Pace Contracting, LLC	\$ 153,000
1459 S Shelby Street		10/4/2021	Basham Construction and Rental Company Inc.	\$ 30,000
Mt. Washington FM Repair		10/11/2021	Various vendors	\$ 50,000
8920 Lippincott Road PSC		10/25/2021	Seven Seas Construction	\$ 25,000

*\*This project is part of the overall project that was included in the emergency certification.*

### Projects Removed from Cashflow

The FY22 CIP represents a list of projects forecasted to have spending during the fiscal year. No projects have been removed from cashflow during this reporting period.

Table 26 – Projects Removed from Cashflow Forecast

Budget ID & Project Name	FY22 Budget	Lifetime Actuals	Reason
D21226 DRG WWPS Building Roof Replacement	\$400,000	\$45,200	Scope of work will be performed under another project.

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#### Major Project Highlights

A major project is defined as one with an FY22 budget larger than \$4M. The following tables list major projects in design and construction.

Table 27 – Major CIP Projects in Design

Budget ID & Project Name	Design Finish	Current Project Estimate at Completion	FY22 Budget	Lifetime Actuals	FY22 Spending Projection	Project Outlook
D20351   Floyds Fork Interceptor	7/10/22	\$92.8M	\$8.6M	\$0.7M	\$6.3M	30% Design is complete. Schedule is being impacted by an order to cease and desist from Parklands until the agency approves MSD plans.
H21019   Rudd Avenue Infrastructure Rehabilitation	10/30/21	\$23.1M	\$7.1M	---	\$7.1M	GMP was approved.
D17042   MFWQTC Sedimentation Basin RR	9/1/21	\$41.5M	\$6.8M	\$2.4M	\$2.6M	Construction period extended but remains within the Consent Decree compliance deadline.
A20244   Large Diameter Sewer Rehabilitation	8/18/21	\$9.4M	\$5.5M	\$5.2M	\$1.5M	Design progressing as planned.
W21006   OC Ash Avenue Interceptor	10/19/21	\$6.5M	\$4.9M	\$0.3M	\$2.6M	Bid advertisement is postponed to January due to easement acquisitions.

Table 28 – Major CIP Projects Under Construction

Budget ID & Project Name	Anticipated Substantial Completion	Current Project Estimate at Completion	FY22 Budget	Lifetime Actuals	FY22 Spending Projection	Project Outlook
H09133   Ohio River Tunnel	4/30/22	\$194.0 M	\$18.8M	\$157.1M	\$29.6M	Claim under evaluation. This projection could increase as the pace of work is evaluated.
D20285   MFWQTC LG Dryer Replacements	12/31/21	\$56.4M	\$10.8M	\$51.8M	\$10.0M	Construction on schedule to have both dryer trains online January 2022.

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#### MONTHLY CIP MANAGEMENT TEAM MEETING

The monthly CIP Management Team Meeting was held on October 26, 2021. The following represents the discussion held during the meeting.

#### *Meeting Participants*

Voting Members: Brian Bingham, Angela Akridge, Brad Good

Technical Support Staff: John Loechle, Wolffie Miller, Dan French, Jacquelyn Quarles, Tony Marconi, Latoya English, Yajaira Morphonios, Dolly Smith, Marc Thomas, Mike Griffith

Consultant Support: Leisha Pica, Sharma Young

#### *Regulatory Discussion*

- Consent Decree Status and Select Project
  - Ohio River Tunnel
  - Large Diameter Sewers
- Agreed Order Projects

#### *FY22 CIP Progress and Discussions*

The following topics were discussed related to the FY22 CIP.

**September Forecast** – Major projects with large potential cashflow variations were discussed such as Ohio River Tunnel. Supply chain challenges due to COVID will impact equipment and supplies delivery on projects and appropriations. Mr. Good noted that cashflow not realized due this challenge can be “added” to next year’s target. The commercial paper program allows for considerable financial flexibility.

**October Notice of Advisements (NOAs).** Ms. Morphonios presented the following for consideration by the CIP Mgmt Team:

- a. Construction Advancement: Ohio River Service Area LS Rehab: KIA project. APPROVED.
- b. Construction Advancement: CCWQTC & FFWQTC Power Factor Correction: APPROVED.
- c. Construction Advancement: Modesto Road PS Elimination: \$300k with planned construction within FY. APPROVED.
- d. New Project: Customer Relations Phone Mitigation: \$200k. APPROVED.
- e. Schedule Acceleration: FPS USACE Payment \$700k from FY22. USACE confident they will get funding within their current FY. They expect to spend approx. \$2M during preliminary engineering phase with MSD responsible for \$700k. APPROVED.
- f. EAC Increase: MFWQTC HVAC Upgrades: from \$98k to \$250 due to existing conditions. APPROVED.

**New Emergencies.** Ms. Pica noted there were one new emergency occurred in September and one in October.

#### **Active Emergencies.**

- 26<sup>th</sup> Street Sewer Repair – Progressing.

#### **Potential or Pending Emergencies.**

- SGC Gates 2 & 3 repairs – to be confirmed

**Design Forecast.** Ms. Pica presented list of projects with pending design start dates.

**Procurement Forecast.** Ms. Pica presented list of projects with pending procurements

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Voting members agreed the November CIP Meeting will be held as scheduled but the December meeting will be canceled due to holidays and staff availability.

## CHANGE MANAGEMENT ACTIVITIES

### Notice of Advisement (NOA)

NOAs are intended to document any change to a project scope, schedule, and budget. A standardized electronic form has been created by the MSD Project Controls Team. Table 29 lists the NOA's processed during the reporting period. In general, requests by staff tend to fall into the following categories:

- **New Projects Added to the FY22 CIP:** New projects were not known at the time the FY22 CIP was under development and subsequently approved by MSD's Board. These projects are vetted by staff before funding is requested. Projects are only added to the FY22 CIP if funding is available from the CIP Management Reserve.
- **Projects with Schedule Adjustments:** As projects progress through a standard lifecycle, schedules are adjusted. The schedule dates and project duration are used in the cashflow forecast tool. As such, it is important to track and monitor schedule adjustments to the CIP projects.
- **Projects with EAC Adjustments:** As projects advance, the estimate at completion (EAC) is adjusted. Routine adjustments are made at the 30%, 60%, 90%, and bid award milestones.
- **Projects Deferred to a Future Year:** Some projects are deferred based upon new information, updated planning status, or to free up funds for other more pressing capital needs.

Table 29 – Notice of Advisement Log for Reporting Month -

ID	Project Name	Advisement Category	Impact in FY Budget	Status
290	CCWQTC Re-Rating to 9.0 MGD	EAC, Project Phasing/Split/Merge/New Project	\$95,000	Approved
291	FY22 Construction Inspection	EAC (>\$10,000); Budget	\$193,000	Approved
292	FY22 Roof Inspection Services	EAC, Budget; Project Phasing/Split/Merge/New Project	\$144,420	Approved
293	3518 Woodside Road Bank Repair	Budget; Project Phasing/Split/Merge/New Project	\$130,000	Approved
294	78 Westwind Drive DIP	Budget; Project Phasing/Split/Merge/New Project	\$70,000	Approved
295	Norbourne DIP	Budget; Project Phasing/Split/Merge/New Project	\$70,000	Approved
297	FY22 Env'l Data Collection	EAC (>\$10,000);	----	Approved

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ID	Project Name	Advisement Category	Impact in FY Budget	Status
298	MFWQTC MEB Building Roof Replacement	Scope; Budget; Project Name change; Project Phasing/Split/Merge/New Project	---	Approved
299	T870 T4 Skid Steer with Forestry Head	EAC (>\$10,000); Budget; Project Phasing/Split/Merge/New Project	\$105,000	Approved
300	MFWQTC Thermo-Hydrolysis Project	Project Name change; Project Phasing/Split/Merge/New Project	\$420,000	Approved
301	FY22 CMOM Collection Systems PS RR	EAC (>\$10,000)	\$85,000	Approved
302	MFWQTC Centrifuge Repair	EAC (>\$10,000); Budget; Project Phasing/Split/Merge/New Project	\$150,000	Approved
303	CR Phone Migration	Budget; Project Phasing/Split/Merge/New Project	\$200,000	Approved
304	OCEA Lift Station Rehab	Schedule impact (+/- 30ed); Project Name change; Construction Advancement	----	Approved
305	Rosa Terrace PS Elimination	Schedule impact (+/- 30ed)	----	Approved
306	Sonne Avenue PS Elimination	Schedule impact (+/- 30ed)	----	Approved
307	HCWQTC Expansion from 6 MGD to 9 MGD	Scope; EAC (>\$10,000); Budget; Project Phasing/Split/Merge/New Project	\$150,000	Approved
308	FY22 CMOM Collection Systems PS RR	EAC (>\$10,000)	\$110,000	Approved
309	CMF Office Renovation	Budget; Project Phasing/Split/Merge/New Project	\$200,000	Approved
310	MFWQTC Chiller Replacement	Schedule impact (+/- 30ed)	----	Approved
311	MFWQTC Administration Building & Computer Room	Schedule impact (+/- 30ed)	----	Approved
312	SGC RTC Enhancements	Schedule impact (+/- 30ed)	----	Approved

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ID	Project Name	Advisement Category	Impact in FY Budget	Status
313	Hunting Creek Drive Culvert Replacement	Budget; Project Phasing/Split/Merge/New Project	\$700,000	Approved
314	FFWQTC Power Factor Correction Design	Scope; EAC (>\$10,000); Schedule impact (+/- 30ed)	----	Approved
315	FPS USACE Payment	Budget, Schedule impact (+/- 30ed)	\$700,000	Approved
316	Floyds Fork Interceptor	Schedule impact (+/- 30ed)	----	Approved
317	South Shelby Street Sanitary Sewer Improvements	Budget; Project Phasing/Split/Merge/New Project	\$30,000	Approved
318	Modesto Road PS Elimination	Construction Advancement	----	Approved
319	Ohio Service Area LS Rehabilitation	Construction Advancement	----	Approved
320	MFWQTC HVAC Upgrades	EAC (>\$10,000)	----	Approved

## PROCUREMENT ACTIVITIES

A forecast of the upcoming procurement activities for the next 90 days is presented in Table 30. The bid dates represent anticipated times and may be adjusted depending upon project conditions.

*Table 30 – Potential Upcoming Procurement Projects*

Budget ID	Project Name	Anticipated Advertising Date
D22042	FFWQTC Power Factor Correction	11/17/2021
G21225	CMF and MFWQTC Facilities Entrance Upgrades	11/20/2021
G20018	SWPS Site Security	12/6/2021
E21090	Sonne Avenue PS Elimination	1/3/2022
W21006	OC Ash Avenue Interceptor	1/3/2022
D19286	SWPS Gas Monitoring and SP1 Odor Control	1/8/2022

## Bid Openings

Bids opened during the reporting month are shown below.

*Table 31 – Bids opened during Reporting Month*

Budget ID	Project Name	Bid Opening	Engineer's Estimate	Bid Award
D21224	DRGWQTC Sodium Hypochlorite and Process Water Buildings Roof Replacement	10/8/2021	\$296,346	\$278,235

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#### **Construction - Notice to Proceeds (NTP) Issued**

The Notice-to-Proceeds issued for projects are listed below.

*Table 32 – NTP's Issued during Reporting Month*

Budget ID	Project Name	NTP Date
D19048	MSD Radio Repeaters	10/28/21

**END OF REPORT**